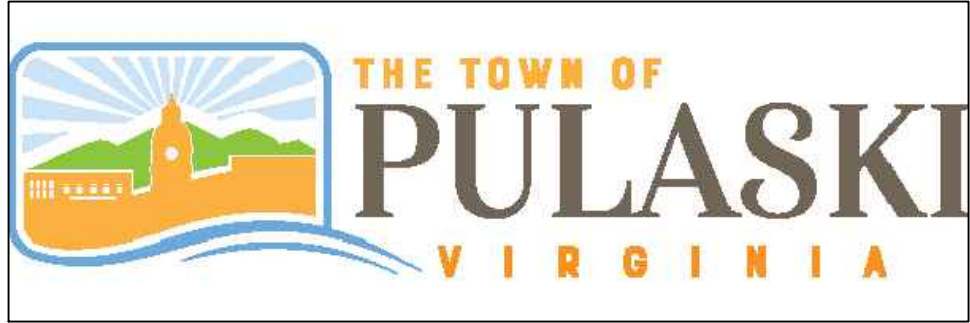


SCALE: 1" = 1000'

BALZER AND ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR ADEQUACY OF PLANS OR FOR INFORMATION ON PLANS UNTIL SUCH PLANS HAVE BEEN APPROVED BY THE REQUIRED PUBLIC AGENCIES.

ANY WORK COMMENCED ON A PROJECT PRIOR TO PLAN APPROVAL IS AT SOLE RISK OF THE OWNER/DEVELOPER.

BALZER AND ASSOCIATES, INC. WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE PLANS OR WILL NOT BE RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR THEIR AGENTS OR EMPLOYEES, OR OF ANY OTHER PERSONS PERFORMING PORTIONS OF THE WORK.



## LEGEND

---348---	EX. INTRMDT. CONTOUR	---	PROF. INTRMDT. CONTOUR
---345---	EX. INDEX CONTOUR	---	PROF. INDEX CONTOUR
+ 35.55	EX. SPOT ELEVATION		PROF. SPOT ELEVATION
—8" WL—	EX. WATER LINE	—8" WL—	PROF. WATER LINE
—8" SAN—	EX. SANITARY SEWER	—8" SAN—	PROF. SANITARY SEWER
—18" STORM—	EX. STORM PIPE		PROF. STORM PIPE
---	EX. EDGE OF PAVEMENT	---	PROF. EDGE OF PAVEMENT
---	EX. BUILDING	---	PROF. BUILDING
	EX. CONCRETE		PROF. CONCRETE
	EX. PAVEMENT		PROF. ASPHALT PAVEMENT (STANDARD/HEAVY DUTY)
	EX. GRAVEL		PROF. GRAVEL
	PAVEMENT REPLACEMENT		PROF. PAVERS
	EX. POWER POLE		PROF. POWER POLE
	EX. SANITARY SEWER MANHOLE		PROF. MANHOLE
	EX. STORM SEWER MANHOLE		SIGN
	CLEANOUT		WATER METER
	EX. LIGHT POLE		PROF. GATE VALVE
	WATER LINE REDUCER		BLOW-OFF VALVE
	EX. TELEPHONE		BENCHMARK
—G—	EX. GAS LINE	—G—	PROF. GAS LINE
—OHU—	EX. OVERHEAD CABLE	—OHU—	PROF. OVERHEAD CABLE
—X—	EX. FENCE	—P—	PROF. UNDERGRND POWER LINE
	EX. TREE LINE	—X—	PROF. FENCE
---	ADJOINING PROPERTY LINE		PROF. TREE LINE
	EXISTING ROAD MONUMENTS	---	SITE PROPERTY LINE
—A—A—	WETLAND AREA		INLET PROTECTION
-----RMA-----	RESOURCE MANAGEMENT AREA	-----RPA-----	RESOURCE PROTECTION AREA

AHHF	ARROW HEAD TOP OF FIRE HYDRANT	EVCS	END VERT. CURVE STA.	RR	RAILROAD
		EW	ENDWALL	RYS	REAR YARD SETBACK
APPROX	APPROXIMATE	EXIST	EXISTING	SAN	SANITARY
ASPH	ASPHALT	FDN	FOUNDATION	SBL	SOUTH BOUND LANE
BC	BACK OF CURB	FF	FINISHED FLOOR	SD	STORM DRAIN
BIT	BITUMINOUS	FG	FINISH GRADE	SECT	SECTION
BLDG	BUILDING	GBE	GRADE BREAK ELEVATION	SE	SLOPE EASEMENT
BLK	BLOCK	GBS	GRADE BREAK STATION	SS	SANITARY SEWER
BM	BENCHMARK	HQA	HOMESINNERS ASSOCIATION	SSD	STOPPING SIGHT DISTANCE
BVS	BOTTOM OF BOTTOM STEP	HPT	HIGH POINT	SSE	SANITARY SEWER EASEMENT
BVCE	BEGIN VERT. CURVE ELEV.	HSD	HEADLIGHT SIGHT DISTANCE	STA	STATION
BVCS	BEGIN VERT. CURVE STA.	INTX	INTERSECTION	STD	STANDARD
BW	BOTTOM OF WALL	INV	INVERT	STO	STORAGE
CB	CINDER BLOCK	IP	IRON PIN	SYS	SIDE YARD SETBACK
C&G	CURB & GUTTER	LT	LEFT	TBM	TEMPORARY BENCHMARK
CMP	CORRUGATED METAL PIPE	LVC	LENGTH OF VERTICAL CURVE	TBR	TO BE REMOVED
CONC	CONCRETE	MH	MANHOLE	TC	TOP OF CURB
COR	CORNER	MIN	MINIMUM	TEL	TELEPHONE
DBL	DOUBLE	MBL	MINIMUM BUILDING LINE	TRANS	TRANSFORMER
DEFL	DEFLECTION	MON	MONUMENT	TS	TOP OF TOP STEP
DI	DROP INLET	NBL	NORTH BOUND LANE	TW	TOP OF WALL
DIA	DIAMETER	PROP	PROPOSED	TYP	TYPICAL
ELEC	DRAINAGE EASEMENT	PUE	PUBLIC UTILITY EASEMENT	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
ELEV	ELECTRIC	PVMT	PAVEMENT		
	ELEVATION	R	RADIUS	VERT	VERTICAL
ENTR	ENTRANCE	RT	RIGHT	WBL	WEST BOUND LANE
EP	EDGE OF PAVEMENT	R.O.W.	RIGHT OF WAY	YD	YARD
EVCE	END VERT. CURVE ELEV.	REQD	REQUIRED		

**1. SITE ADDRESS:** 1 MAGNOLIA STREET, PULASKI COUNTY, VIRGINIA 24301  
PULASKI COUNTY, VIRGINIA

**2. OWNER:** CCCC LLC  
1 CORBIN-HARMON DRIVE  
PULASKI, VA 24301  
PHONE: (540) 509-0808  
EMAIL: jill.e.williams@gmail.com  
CONTACT: JILL WILLIAMS

**AGENT:** BALZER & ASSOCIATES, INC.  
80 COLLEGE STREET, SUITE H  
CHRISTIANSBURG, VA 24073  
PHONE: (540) 381-4290  
FAX: (540) 381-4291  
CONTACT: JAMES TAYLOR

**TYPE OF CONSTRUCTION/USE:** HISTORICAL ARCHITECTURAL RESTORATION & REDEVELOPMENT  
TO A DAYCARE, PRE-SCHOOL, TECHNOLOGY LEARNING CENTER, MUSEUM, AND MEETING SPACE

**4. ZONING:** REZONED TO: LIMITED BUSINESS DISTRICT (B-2)      **SETBACKS:** FRONT: 25 FEET (SETBACKS FROM ALL PUBLIC STREETS SHALL BE 25 FEET)  
SIDE: 10 FEET  
REAR: 25 FEET

**5. TAX PARCEL NO. (S):** #072-014-0000-0001

**6. LEGAL REFERENCE(S):** INST. #190002296; INST. #202100751

**7. SITE AREA:** 115,994 SF / 2.666 AC  
EXISTING IMPERVIOUS AREA:  
NEW IMPERVIOUS AREA: 37,061 SF / 0.851 AC  
TOTAL IMPERVIOUS AREA: 37,061 SF / 0.851 AC  
PROPOSED DISTURBED AREA: 39,650 SF / 0.91 AC

**8. WATER:** TOWN OF PULASKI, REPLACE EXISTING 2" WATER SERVICE, REPLACE EX. METER

**9. SEWER:** TOWN OF PULASKI, EXISTING SERVICE

**10. TOTAL BUILDING**  
NUMBER OF FLOORS: 1      FIRST FLOOR GROSS SQUARE FOOTAGE: 12,444 SF  
SECOND FLOOR GROSS SQUARE FOOTAGE: (TO BE REMOVED) RESTORE FORMER GYM CEILING

**11. PARKING REQUIRED:** DAYCARE: ±20 SPACES (BUILDING PRIMARY DAY-USE)  
MEETING ROOMS: SHARED & ON-STREET (OFF HOURS FROM DAYCARE)  
COMPUTER LAB: SHARED & ON-STREET (OFF HOURS FROM DAYCARE)  
COMMERCIAL KITCHEN: SHARED & ON-STREET (OFF HOURS FROM DAYCARE)

**PARKING PROVIDED:** TOTAL PROVIDED: 33 SPACES

**ACCESSIBLE SPACES REQUIRED:** 2 ACCESSIBLE SPACES REQUIRED PER SEC. 1106; ONE OF SIX ACCESSIBLE PARKING SPACES, OR AT LEAST ONE MUST BE VAN-ACCESSIBLE. PER SEC. 1106.5 2018 VIRGINIA CONSTRUCTION CODE THIRD PRINTING OCTOBER 2021

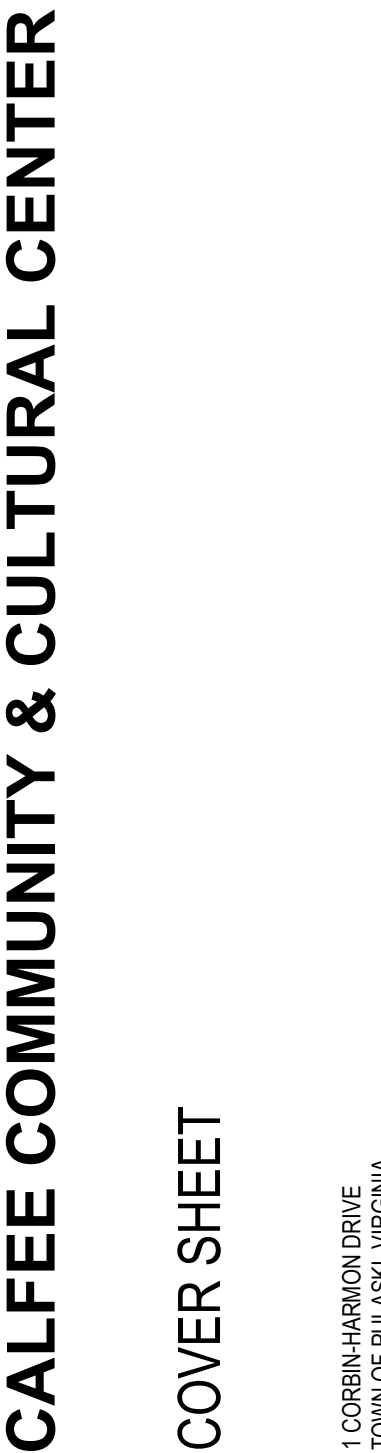
**ACCESSIBLE SPACES PROVIDED:** 2 REGULAR ADA SPACES, 1 VAN ADA SPACE

**BICYCLE PARKING REQUIRED:** 2 SPACES

**BICYCLE PARKING PROVIDED:** 2 SPACES



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New River Valley  
Shenandoah Valley  
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80 College Street  
Suite H  
Christiansburg, VA 24073  
540.381.4290



DRAWN BY	MS
DESIGNED BY	MS
CHECKED BY	JR
DATE	2/9/202
SCALE	AS NOTED
REVISIONS	

03/31/2025 - BALZER  
PHASE 2 MARK UP

C1

PROJECT NO. 23220008.00



MAP UNIT SYMBOL	HYDROLOGIC SOIL GROUP	MAP UNIT NAME
12C	TYPE C	GROSELOUSE-URBAN LAND COMPL (7 TO 15 PERCENT SLOPES)
14C	TYPE D	KLINESVILLE-BERKS CHANNERY SIL (7 TO 15 PERCENT SLOPES)
14F	TYPE D	KLINESVILLE-BERKS CHANNERY SIL (30 TO 65 PERCENT SLOPES)
17	TYPE C	LINDSIDE-NOLIN SILT LOAMS
33	N/A	URBAN LAND
34	TYPE B	WHEELING SANDY LOAM
W	N/A	WATER

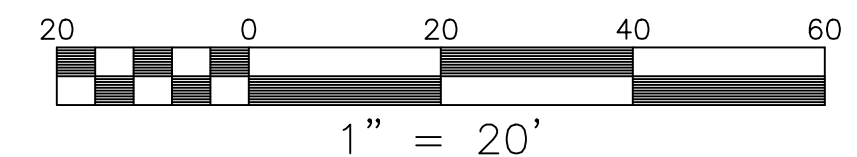
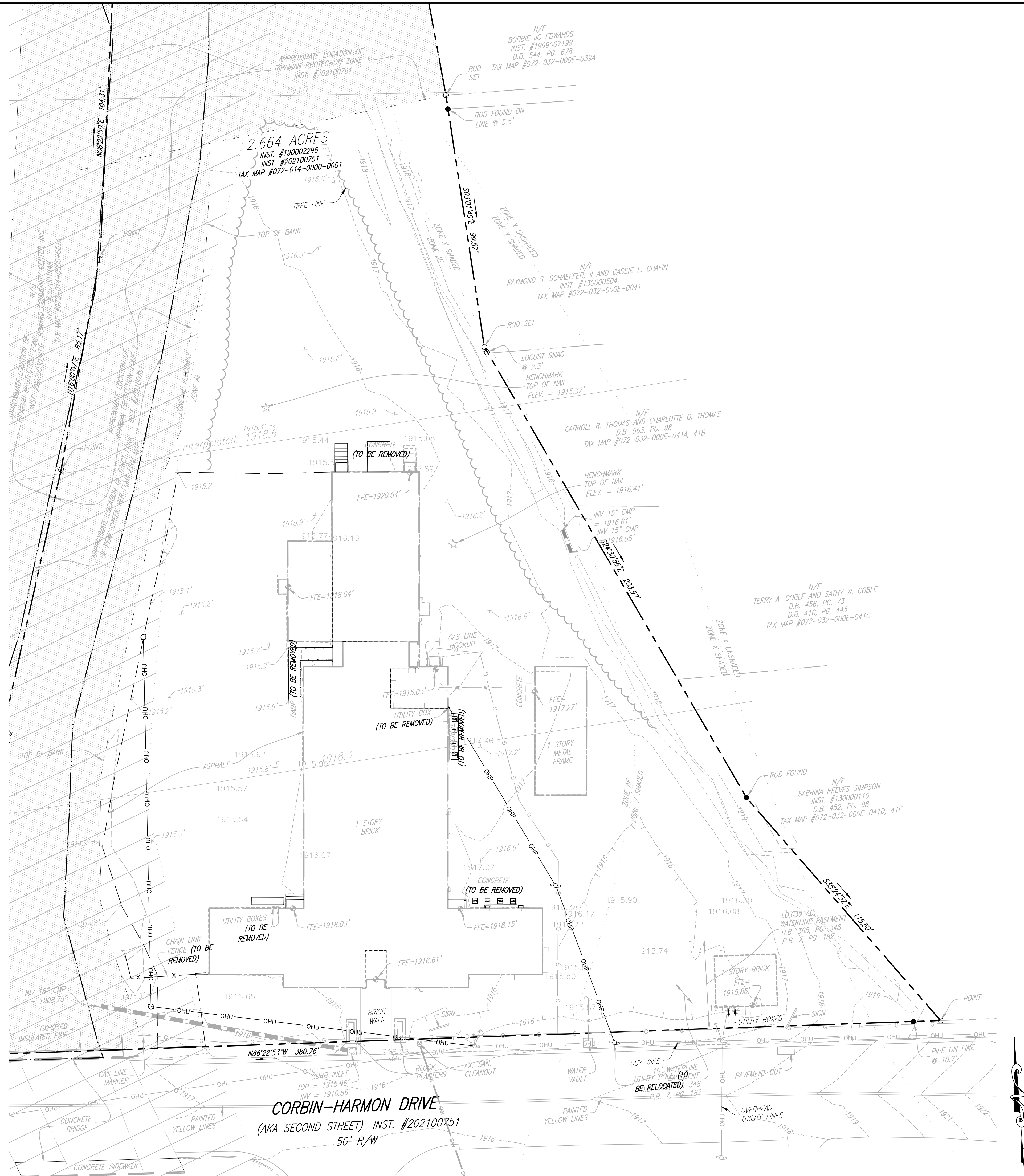
HORIZONTAL AND VERTICAL CONTROL SURVEYS WERE PERFORMED ON AUGUST 22, 2022. ADJACENT PROPERTIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND NOT NECESSARILY THE RESULT OF A FIELD SURVEY.

HORIZONTAL DATUM: NAD83 (VIRGINIA SOUTH ZONE)  
VERTICAL DATUM: NAVD88

SOURCE OF TOPOGRAPHIC MAPPING:  
ON SITE - BALZER AND ASSOCIATES, INC.,  
OFF-SITE (DRAINAGE AND FLOODPLAIN MAPPING) USGS

TOPOGRAPHIC SURVEY WAS COMPLETED BY: BALZER AND ASSOC., INC, 2022

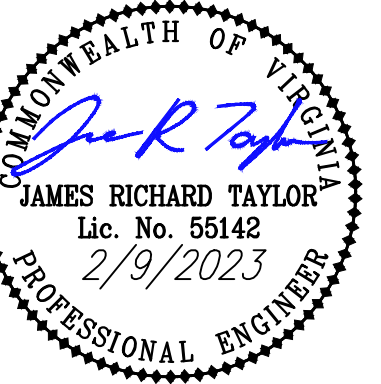
BENCHMARK INFORMATION: THIS SHEET.



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Shenandoah Valley

[www.balzer.cc](http://www.balzer.cc)

80 College Street  
Suite H  
Christiansburg, VA 24073  
540.381.4290



**CALFEE COMMUNITY & CULTURAL CENTER**

## EXISTING CONDITIONS PLAN

TOWN OF PULASKI, VIRGINIA

DRAWN BY	MSL
DESIGNED BY	MSL
CHECKED BY	JRT
DATE	2/9/2023
SCALE	1" = 20'
REVISIONS	

PROJECT NO. 23220008.00

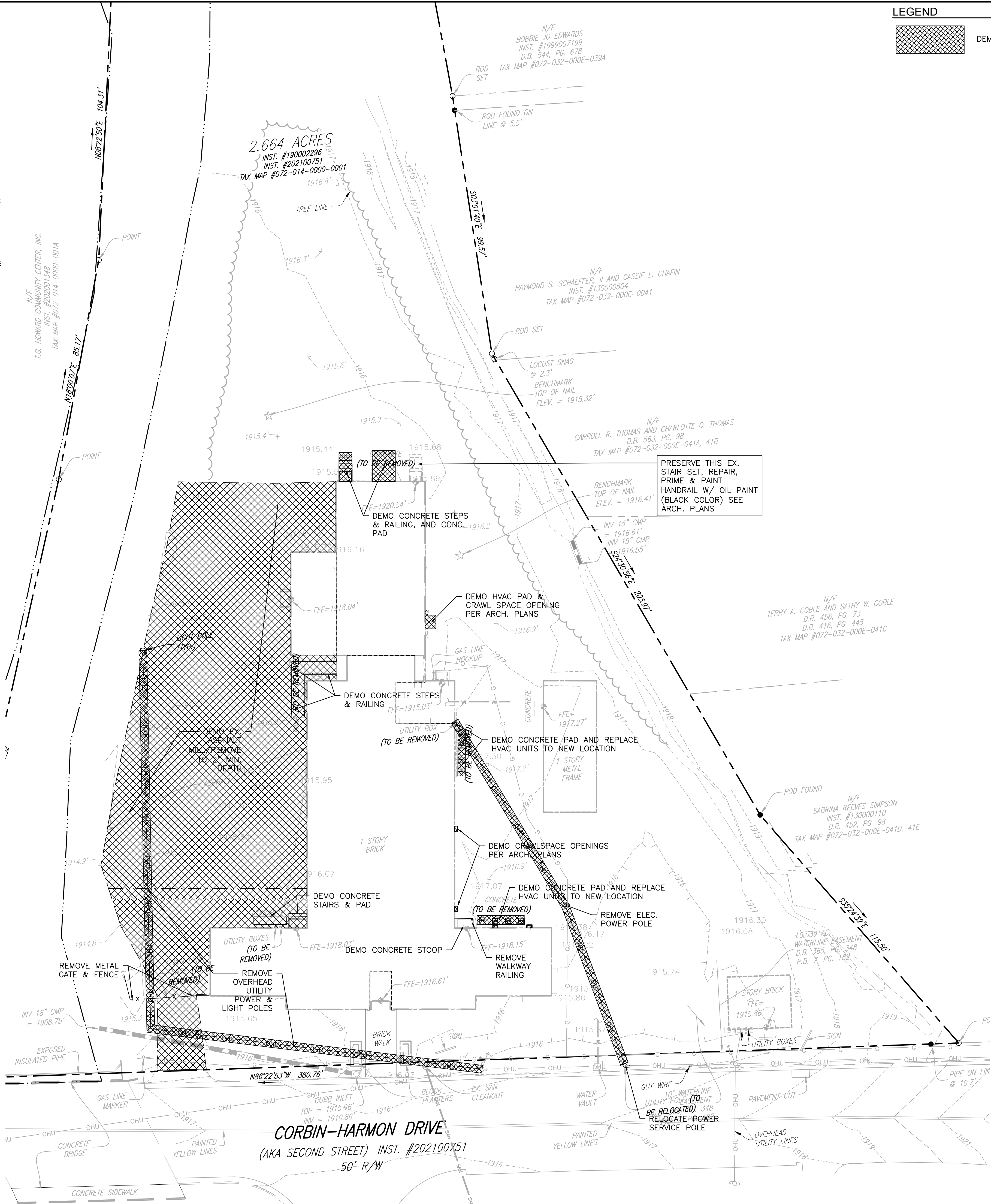
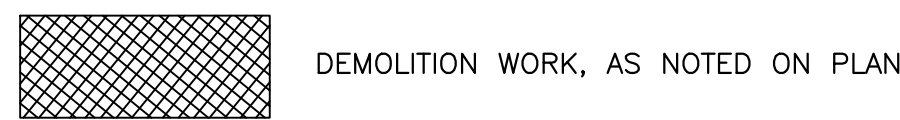
# C2



STANDARD DEMOLITION NOTES

- DEMOLITION SHALL INCLUDE, UNLESS OTHERWISE NOTED ON PLAN, THE REMOVAL OF EXISTING OBJECTS AND IMPROVEMENTS WITHIN THE LIMITS OF DISTURBANCE, WHETHER INDICATED ON THE DRAWINGS OR NOT, THAT WOULD, IN THE OPINION OF THE CONTRACTOR, PREVENT OR INTERFERE WITH THE PROGRESS OR COMPLETION OF THE PROPOSED WORK.
- PERMITS, FEES AND LICENSES SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR, INCLUDING DISPOSAL CHARGES AS REQUIRED.
- WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITIES IN DEMOLITION OF EXISTING PAVEMENT, CURBS AND GUTTERS, DRAINAGE STRUCTURES AND UTILITIES AS MAY BE REQUIRED.
- ALL EXISTING UTILITY SERVICE LINES SHALL BE DISCONNECTED, PLUGGED, OR CAPPED PER TOWN OR UTILITY STANDARDS PRIOR TO REMOVAL.
- CONTRACTOR SHALL SAW-CUT ALL JOINTS WHERE EXISTING CURBING, PAVEMENT AND SIDEWALK IS TO BE DEMOLISHED AND NEW CONSTRUCTION JOINS THE EXISTING.
- CONTRACTOR SHALL COMPLETELY FILL BELOW GRADE AREAS AND VOIDS FROM DEMOLITION OR REMOVAL OF STRUCTURES (UNDERGROUND FUEL STORAGE TANK, BASEMENTS, WELLS, ETC.) USING APPROVED SELECT FILL MATERIAL.
- ALL EXISTING CURBING, CONCRETE SIDEWALK, ENTRANCES, BUILDING FOUNDATIONS AND TREES AND BRUSH THAT ARE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR. BUILDING DEBRIS, ETC. SHALL NOT BE USED AS FILL MATERIAL ON THE SITE.
- CONTRACTOR SHALL ENSURE SUFFICIENT AREA IS RESERVED FOR BYPASSING VEHICULAR TRAFFIC WHEN WORKING WITHIN SHARED ACCESS DRIVES OR TOWN RIGHT-OF-WAY. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES NECESSARY TO DIRECT TRAFFIC SAFELY AND EFFICIENTLY AROUND THE CONSTRUCTION AREA. ROAD/LANE CLOSURE & SAFETY PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TO THE TOWN IF REQUIRED OR REQUESTED AT ANY POINT OF DEMOLITION OR CONSTRUCTION.
- WHERE INDICATED ON THE DRAWINGS, PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING, BLASTING, OR A COMBINATION THEREOF, OR OTHER METHODS, WITH THE APPROVAL OF THE ENGINEER IN ACCORDANCE WITH VDOT ROAD AND BRIDGE SPECIFICATION SECTION 512.03 (I). CARE SHALL BE EXERCISED DURING MARKING REMOVAL NOT TO SCAR, DISCOLOR OR OTHERWISE DAMAGE THE PAVEMENT SURFACE. OVERPAINTING OR OTHER METHODS OF COVERING MARKINGS IN LIEU OF REMOVAL SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL PROVIDE THE FOLLOWINGS PROTECTIONS AT THE JOB SITE:
  - MAKE ARRANGEMENTS, BEFORE INITIATING DEMOLITION, FOR RELOCATING, DISCONNECTION, REROUTING, ABANDONING, OR SIMILAR ACTION AS MAY BE REQUIRED RELATIVE TO UTILITIES AND OTHER UNDERGROUND PIPING, TO PERMIT WORK TO PROCEED WITHOUT DELAY. ARRANGEMENTS SHALL BE MADE IN ACCORDANCE WITH REGULATIONS OF AUTHORITIES OF UTILITIES MENTIONED, SUCH AS OVERHEAD AND UNDERGROUND POWER AND TELEPHONE LINES AND EQUIPMENT, GAS PIPING, STORM SEWERS, SANITARY SEWERS, OR WATER PIPING. CONTRACTOR SHALL NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING AND/OR POLLUTION.
  - ENSURE SAFE PASSAGE OF PERSONS AROUND ALL AREAS OF DEMOLITION.
  - CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES, OTHER FACILITIES, OR INJURY TO PERSONS.
  - PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.
  - MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. PREVENT INTERRUPTION OF EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES AS ACCEPTABLE TO GOVERNING AUTHORITIES.
  - USE WATER SPRINKLING AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN AIR TO LOWEST PRACTICAL LEVEL.
  - COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- OWNER OR CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF ANY STRUCTURES PROPOSED FOR REMOVAL CONTAIN ANY ENVIRONMENTAL HAZARDS SUCH AS ASBESTOS. ANY ABATEMENT REQUIRED SHALL BE THE RESPONSIBILITY OF THE OWNER.

LEGEND



**BALZER  
& ASSOCIATES**  
PLANNERS / ARCHITECTS  
ENGINEERS / SURVEYORS

Roanoke / Richmond  
New River Valley  
Shenandoah Valley  
**www.balzer.cc**  
80 College Street  
Suite H  
Christiansburg, VA 24073  
540.381.4290



CALFEE COMMUNITY & CULTURAL CENTER

DEMOLITION PLAN

DRAWN BY MSL  
DESIGNED BY MSL  
CHECKED BY JRT  
DATE 2/9/2023  
SCALE 1" = 20'  
REVISIONS

PROJECT NO. 23220008.00



STANDARD CONSTRUCTION NOTES

CONSTRUCTION METHODS

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS, VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS, AND LOCAL JURISDICTIONAL STANDARDS AND SPECIFICATIONS, WHERE APPLICABLE.
2. THE LOCATION OF EXISTING UTILITIES AS SHOWN IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION WORK AND NOTIFY ENGINEER IMMEDIATELY IF LOCATIONS DIFFER FROM PLANS.
3. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-552-7001 OR 811 PRIOR TO ANY CONSTRUCTION WORK IN THIS AREA.

HANDICAPPED ACCESSIBILITY / ADA COMPLIANCE

1. CONSTRUCT WALKWAYS AT A MAXIMUM 1.8% CROSS SLOPE TO ALLOW FOR CONSTRUCTION TOLERANCES. FINISHED SURFACE CROSS SLOPE SHALL MEASURE NO GREATER THAN 1.48 (2.08%). NO SLOPE IN ANY DIRECTION SHALL EXCEED 1.48 (2.08%) WITHIN ADA PARKING SPACES OR AISLES.
2. THE MAXIMUM ALLOWABLE LONGITUDINAL SLOPE ALONG ACCESSIBLE AISLES IS 5%.
3. THE CONTRACTOR SHALL VERIFY SLOPES AND GRADES FOR ALL ACCESSIBLE PARKING SPACES AND ACCESS AISLES AFTER STAKING IS COMPLETE AND BOTH BEFORE AND AFTER INSTALLATION.
4. ANY SLOPE DISCREPANCIES DETECTED BY THE SURVEYOR AND/OR CONTRACTOR SHALL BE REPORTED TO THE ENGINEER PRIOR TO INSTALLATION.
5. UNLESS SPECIFICALLY NOTED ON THE SITE PLAN, DETECTABLE WARNING STRIPS ARE REQUIRED AT ALL CURB RAMPS AND FLUSH CURB TRANSITIONS TO PARKING LOTS.
6. HAND RAILS ARE REQUIRED FOR ANY ACCESSIBLE SITE PEDESTRIAN RAMPS WITH LONGITUDINAL SLOPES THAT EXCEED 5% AND / OR 6-INCHES IN RISE.
7. SITE HAND RAILS SHALL BE PER VDOT / ADA / ANSI STANDARDS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
8. SITE HAND RAILS SHALL BE INSTALLED ON BOTH SIDES OF THE SITE SIDEWALKS WHERE HAND RAILS ARE REQUIRED.
9. PER VDOT STANDARDS, THE MAXIMUM PERMISSIBLE CURB RAMP SLOPE IS 12:1.
10. WHEEL STOPS FOR ACCESSIBLE PARKING SPACES SHALL BE INSTALLED 3'-0" OFF THE FACE OF CURB.
11. GUTTER PAN INSTALLED IN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% SLOPE.
12. NO VERTICAL TRANSITIONS IN ADA ACCESSIBLE ROUTES SHALL EXCEED 1/4".
13. ACCESSIBLE ROUTE SHALL HAVE A MINIMUM CLEARANCE OF 3' IN ALL DIRECTIONS.
14. ANY AND ALL STANDARDS SHALL COMPLY WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AS PUBLISHED BY THE DEPARTMENT OF JUSTICE SEPTEMBER 15, 2010.

CURB AND GUTTER

1. THE CONTRACTOR SHALL USE A MINIMUM OF THREE (3) RUNNING CONSTRUCTION STAKES TO AVOID HARD BREAK LINES IN THE CURB - UNLESS SPECIFICALLY CALLED FOR ON THE PLANS.
2. THE MINIMUM LONGITUDINAL SLOPE FOR GUTTER PAN IS 0.5%, UNLESS OTHERWISE NOTED ON PLANS.
3. A MINIMUM 20-FOOT TRANSITION FROM CG-6 TO CG-7 IS REQUIRED, UNLESS OTHERWISE NOTED ON THE PLANS.
4. ALL CURB AND GUTTER SHOWN ON THE PLANS SHALL BE VDOT CG-6, CG-2, OR CG-7, UNLESS SPECIFICALLY NOTED OTHERWISE.

UNDERGROUND UTILITIES

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LINE AND GRADE FOR ALL DRY UTILITIES PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING DRY UTILITY LINES AND GRADES AGAINST ALL PROPOSED UTILITIES SHOWN ON THE PLANS. POTENTIAL CONFLICTS SHALL BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING TELEPHONE, CABLE, FIBER OPTIC, AND ELECTRICAL SERVICES TO THE PROJECT. CONTACT UTILITY PROVIDERS AS SOON AS POSSIBLE TO BEGIN COORDINATION.
4. THE CONTRACTOR SHALL REVIEW SITE AND BUILDING DRAWINGS TO VERIFY COORDINATION OF UTILITY INVERTS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.

SIDEWALKS AND SITE STAIRS

1. ALL SITE STAIRS SHALL BE FURNISHED WITH VDOT HR-1 ON BOTH SIDES OF THE STAIRS.
2. ALL SITE STAIRS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VDOT / ADA / ANSI STANDARDS AND SPECIFICATIONS, UNLESS SPECIFICALLY NOTED OTHERWISE.
3. SIDEWALKS SHALL BE INSTALLED WITH A MAXIMUM 2% CROSS-SLOPE.
4. SIDEWALKS SHALL BE BROOM FINISHED, UNLESS NOTED OTHERWISE ON THE PLANS.
5. SIDEWALKS SHALL BE 5-FOOT IN WIDTH, UNLESS NOTED OTHERWISE ON THE PLANS.

ROOF DRAINS AND DOWN SPOUTS

1. ALL DOWNSPOUTS TO BE CONNECTED TO STORM SEWER.
2. IN KEEPING WITH THE HISTORICAL NATURE OF THIS PROJECT, ALL EXISTING CAST-IRON BOOTS LEADING TO ROOF DRAIN LATERALS SHALL BE PRESERVED/RE-PURPOSED OR REPLACED WITH NEW 6" BELL C.I.P. LEADS. STUBBING OF DOWNSPOUT INTO ROOF DRAIN LATERAL WITHOUT A SUITABLE BOOT TRANSITION IS NOT PERMITTED.
3. ALL ROOF DRAIN LATERALS SHALL BE INSTALLED IN ACCORDANCE WITH THE PREVAILING LOCAL JURISDICTIONAL PLUMBING CODE OR THE INTERNATIONAL PLUMBING CODE, WHICHEVER IS MORE STRINGENT.
4. MINIMUM ALLOWABLE SLOPE FOR 4-INCH ROOF DRAIN LATERAL IS 2.08%.
5. MINIMUM ALLOWABLE SLOPE FOR 6-INCH ROOF DRAIN LATERAL IS 1.04%.
6. ROOF DRAIN LATERALS SHALL BE 6-INCH DIAMETER (SMOOTH-WALLED), UNLESS NOTED OTHERWISE ON THE PLANS.

TELEPHONE, FIBER OPTIC, CABLE, AND GAS LINE SERVICES

1. CONTRACTOR SHALL HAVE "MISS UTILITY" MARK EXISTING UTILITY LINES PRIOR TO START OF CONSTRUCTION AND AS NECESSARY THROUGHOUT CONSTRUCTION.
2. CONTRACTOR SHALL REVIEW PLANS TO VERIFY THAT EXISTING LOCATIONS MARKED IN THE FIELD MATCH THOSE SHOWN ON THE PLANS.
3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY POTENTIAL DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
4. CONTRACTOR SHALL POT-HOLE EXISTING UTILITIES AT CRITICAL CROSSING LOCATIONS PRIOR TO THE START OF CONSTRUCTION AND PROVIDE ENGINEER WITH LINE AND GRADE INFORMATION.

BUILDING DOORS AND GRADES

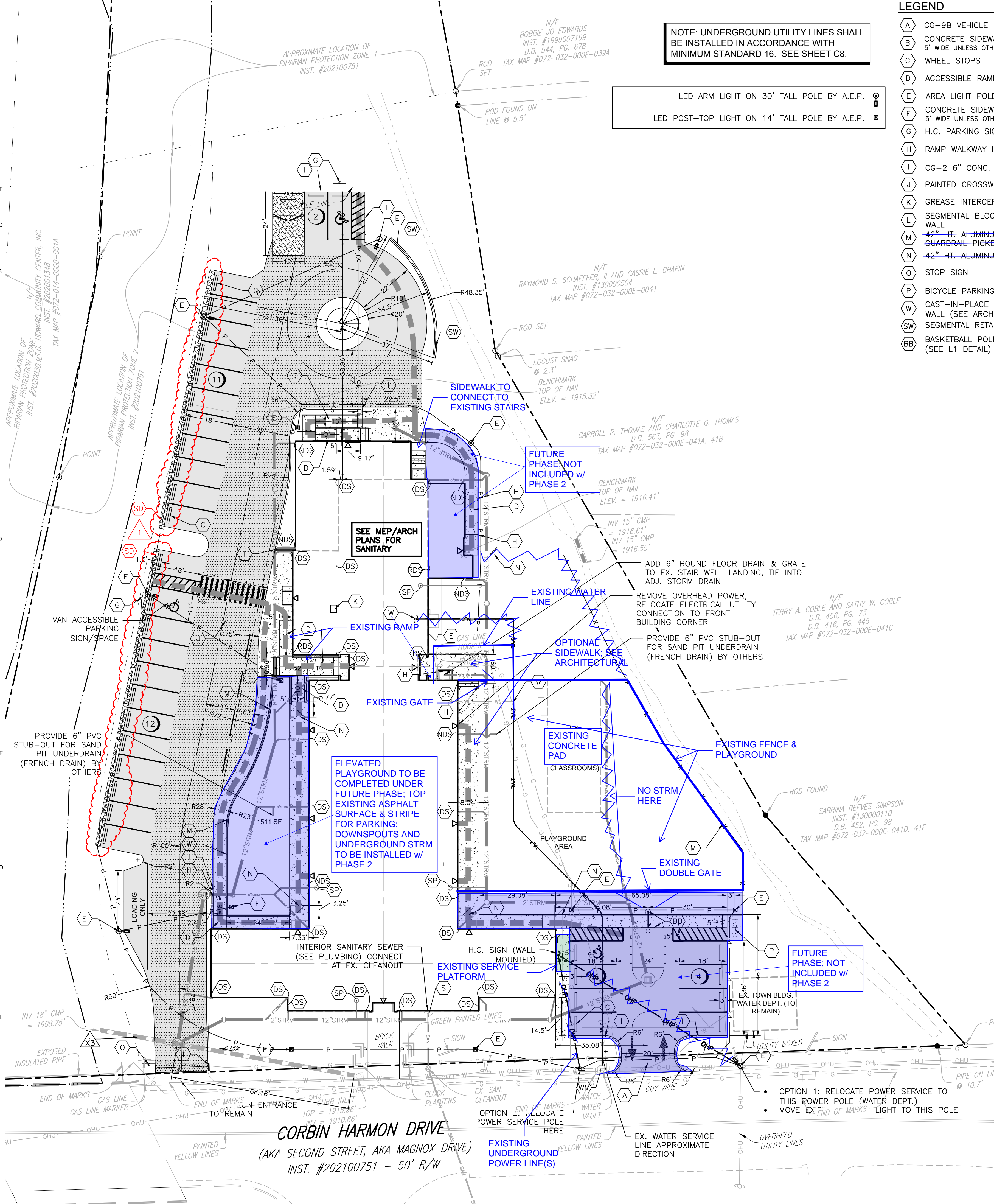
1. FINISHED GRADE SHALL BE 8-INCHES BELOW FINISHED FLOOR ELEVATION ALONG ALL BUILDING WALLS, IN AREAS WHERE PERVIOUS SURFACES ARE PROVIDED, UNLESS OTHERWISE NOTED. FINISHED GRADE FOR AREAS TO BE MULCHED SHALL BE AT TOP OF MULCH. FINISHED GRADE FOR AREAS TO RECEIVE SOD SHALL BE TO TOP OF SOD.
2. ALL PERVIOUS SURFACES SHALL BE INSTALLED WITH A MINIMUM OF 5% SLOPE AWAY FROM THE BUILDING (FOR A MINIMUM OF 10-FEET), TO PROVIDE FOR POSITIVE DRAINAGE.
3. CONTRACTOR SHALL COORDINATE LOCATION OF WEEP HOLES ALONG ALL BUILDING WALLS AND VERIFY REQUIRED SEPARATION BETWEEN WEEP HOLES AND FINISHED GRADES.
4. CONTRACTOR SHALL REVIEW GRADING ALONG BUILDINGS WITH STOREFRONTS TO VERIFY REQUIRED SEPARATION IS PROVIDED.

RETAINING WALLS

1. RETAINING WALL LAYOUT AND GRADING DESIGN IS PRELIMINARY. CONTRACTOR/OWNER IS RESPONSIBLE FOR SHOP DRAWINGS AND ACQUIRING ANY REQUIRED BUILDING PERMIT AS WELL AS ANY OTHER JURISDICTIONAL REQUIREMENTS.
2. BUILDING PERMIT IS REQUIRED FOR RETAINING WALLS GREATER THAN 2-FT IN HEIGHT.
3. TW-FINISHED GRADE AT TOP OF WALL (WALL SHALL PROJECT A MINIMUM OF 6-INCHES ABOVE FINISHED GRADE, UNLESS NOTED OTHERWISE).
4. BW-FINISHED GRADE AT BOTTOM FACE OF WALL.
5. WHEN SEGMENTED BLOCK (STACKED-BLOCK) RETAINING WALLS ARE CALLED FOR ON THE PLANS, ENGINEER SIGNED AND SEALED SHOP DRAWINGS MUST ENSURE THAT GEO-FABRIC IS PROPERLY ANCHORED TO THE WALL IN AREAS WITH VERTICAL PENETRATIONS. UNAPPROVED PENETRATIONS WILL REQUIRE GEOGRID REPLACEMENT AT CONTRACTORS EXPENSE.
6. WHEN SEGMENTED BLOCK (STACKED-BLOCK) RETAINING WALLS ARE CALLED FOR ON THE PLANS, CONTRACTOR SHALL VERIFY THAT ALL REQUIRED VERTICAL PENETRATIONS THROUGH THE GEO-GRID ARE SPECIFIED ON THE PLANS PRIOR TO START OF CONSTRUCTION.
7. ENGINEER SHALL REVIEW AND APPROVE RETAINING WALL SHOP DRAWINGS PRIOR TO INSTALLATION.

FENCES

1. FENCES TALLER THAN 6-FOOT IN HEIGHT WILL REQUIRE A BUILDING PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE BUILDING PERMIT AT CONTRACTOR'S EXPENSE.
2. CONSTRUCTION BARRIERS - ALL CONSTRUCTION BARRIERS SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR IN COMPLIANCE WITH IBC CHAPTER 33.
3. THE CONTRACTOR SHALL SUBMIT FOR BUILDING PERMIT FOR CONSTRUCTION BARRIERS AS REQUIRED BY LOCAL CODES.



LEGEND

- |                                                             |                                                                               |
|-------------------------------------------------------------|-------------------------------------------------------------------------------|
| (A) CG-9B VEHICLE ENTRANCE                                  | (DS) DOWNSPOUT (HISTORICALLY CORRECT)                                         |
| (B) CONCRETE SIDEWALK 5' WIDE UNLESS OTHERWISE NOTED        | (RDS) RELOCATED DOWNSPOUT (LOCATION TO FIT ARCH CHANGES)                      |
| (C) WHEEL STOPS                                             | (NDS) NEW DOWNSPOUT LOCATION                                                  |
| (D) ACCESSIBLE RAMP                                         | (SP) CONNECT SUMP PUMP DISCHARGE TO STORM DRAINAGE                            |
| (E) AREA LIGHT POLE                                         | (CO) SANITARY OR STORM CLEANOUT                                               |
| (F) CONCRETE SIDEWALK 5' WIDE UNLESS OTHERWISE NOTED        | (S) SEWER LATERAL 6" UTILITY CONTR. EXISTING                                  |
| (G) H.C. PARKING SIGN                                       | (WM) WATER METER ** 2" (EXISTING: CONFIRM SIZE)                               |
| (H) RAMP WALKWAY HANDRAILS                                  | (X) TOWN OF PULASKI UTILITY CONTR. EXISTING                                   |
| (I) CG-2 6" CONC. CURB                                      | (W) WATER LATERAL (TO BE RELOCATED)                                           |
| (J) PAINTED CROSSWALK                                       | (X) TOWN OF PULASKI (FROM MAIN TO W.M.) UTILITY CONTR. (BEYOND W.M.) EXISTING |
| (K) GREASE INTERCEPTOR TRAP (INTERIOR)                      | (W) BUILDING DOOR/ACCESS                                                      |
| (L) SEGMENTAL BLOCK RETAINING WALL                          | (X) ASPHALT PAVING                                                            |
| (M) 42" HT. ALUMINUM GUARDRAIL PICKET FENCE                 | (X) HEAVY DUTY ASPHALT PAVING                                                 |
| (N) 42" HT. ALUMINUM GATE                                   | (X) PARKING LOT LANDSCAPING                                                   |
| (O) STOP SIGN                                               | (X) ACCESSIBLE ROUTE                                                          |
| (P) BICYCLE PARKING (SEE SHEET L1)                          |                                                                               |
| (W) CAST-IN-PLACE CONCRETE RETAINING WALL (SEE ARCH. PLANS) |                                                                               |
| (SW) SEGMENTAL RETAINING WALL                               |                                                                               |
| (BB) BASKETBALL POLE & HOOP (SEE L1 DETAIL)                 |                                                                               |
- 24" WIDE x 12" DEEP #357 STONE DIAPHRAGM, W/ 3 OZ. MIN. NON-WOVEN GEOTEXTILE FABRIC

STANDARD SITE PLAN NOTES

1. GENERAL CONTRACTOR TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION OF PROPOSED IMPROVEMENTS.
2. NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER, OWNER, AND THE TOWN OF PULASKI.
3. G.C. TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS.
4. ANY PAVEMENT DISTURBED OR DESTROYED DURING THE CONSTRUCTION PROCESS SHALL BE REPAIRED/REPLACED AS NECESSARY TO PRE-CONSTRUCTION CONDITIONS AT NO COST TO THE OWNER.
5. ALL BUILDING DIMENSIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS.
6. PAVEMENT FLOW LINE RADIUS OF 5' IS TYPICAL.
7. SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION WHERE APPLICABLE UNLESS SPECIFIED OTHERWISE.

STANDARD UTILITIES NOTES

1. G.C. SHALL COORDINATE THE EXACT SANITARY SEWER AND DOMESTIC WATER LATERAL BUILDING TIE IN LOCATIONS WITH THE ARCHITECTURAL PLANS.
2. THE G.C. IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT ASSOCIATED WITH REQUIRED UTILITIES FOR THE PROPOSED BUILDING AND ANY NECESSARY UTILITIES ON-SITE SUCH AS LIGHTING, ELECTRICAL, ETC. G.C. SHALL COORDINATE WITH AEP FOR POWER SUPPLY RELOCATION AND SITE LIGHTING FOUNDATIONS AND CONDUIT INSTALLATION.
3. THE G.C. SHALL COORDINATE TEMPORARY POWER FOR THE PROPOSED BUILDINGS.
4. BACKFLOW PREVENTION ASSEMBLY FOR DOMESTIC WATER LINE SHALL MEET A.S.S.E. STANDARD 1013 OR 1024 (AS APPLICABLE).
5. ALL UTILITY CROSSINGS SHALL HAVE A MINIMUM OF 18" OF SEPARATION. WHERE 18" OF SEPARATION CANNOT BE ACHIEVED, UTILITIES SHALL BE ENCASED IN CONCRETE PER TOWN OF PULASKI STANDARDS. WATER LINES PASSING UNDER SEWERS SHALL BE PROTECTED BY PROVIDING ADEQUATE STRUCTURAL SUPPORT FOR SEWERS TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS, AND THE LENGTH OF BOTH THE WATER LINE AND SEWER LINE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER. REFER TO SECTION 1.54(1)(b)(2) OF TOWN OF PULASKI WATER STANDARDS.

WATERLINE

1. MINIMUM DEPTH OF COVER ON ALL WATERLINES SHALL BE 3'-0". SEE STORM UTILITY PROFILES FOR CONFLICTS WITH GAS AND STORM CROSSINGS, (SHEET C8)
2. WATER SERVICE LINES SHALL BE TYPE K COPPER OR ALTERNATIVE APPROVED BY THE TOWN OF PULASKI.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SERVICE LINES. ALL METERS AND METER BOXES SHALL BE SET BY TOWN PERSONNEL AT OWNER'S EXPENSE.
4. CONNECTION TO EXISTING WATERLINE SHALL BE DONE BY TOWN OF PULASKI AND AT OWNER'S EXPENSE.
5. CONTRACTOR SHALL COORDINATE INSTALLATIONS AND REQUIRED LOCATIONS.
6. THE TOWN SHALL BE NOTIFIED PRIOR TO BEGINNING WORK. ONLY TOWN PERSONNEL SHALL OPERATE EXISTING VALVES.

SANITARY SEWER

1. CONNECTION TO EXISTING SANITARY SEWER TO BE UTILIZED. SEE MECHANICAL/PLUMBING/ARCH. PLANS FOR NEW SANITARY DRAIN LINES INTERNAL TO THE BUILDING.

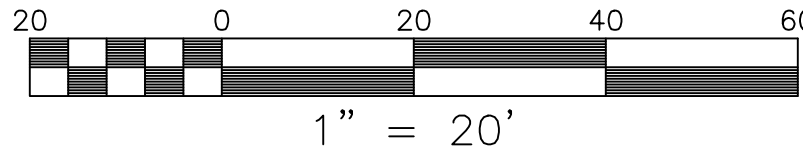
PAVEMENT MARKING NOTES:

1. STANDARD PARKING STRIPING: SURFACES SHOULD BE CLEAN AND DRY STRIPING SHALL BE 4" WIDE, COLOR WHITE
2. HANDICAP PARKING STRIPING: SURFACES SHOULD BE CLEAN AND DRY STRIPING SHALL BE 4" WIDE, COLOR "HANDICAP BLUE"
3. HANDICAP SYMBOL: SURFACES SHOULD BE CLEAN AND DRY SYMBOL SHALL BE MIN. 36"x36" SIZE, COLOR "HANDICAP BLUE"

NOTE: UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH MINIMUM STANDARD 16. SEE SHEET C8.

LED ARM LIGHT ON 30' TALL POLE BY A.E.P.  
LED POST-TOP LIGHT ON 14' TALL POLE BY A.E.P.

CORBIN HARMON DRIVE  
(AKA SECOND STREET, AKA MAGNOX DRIVE)  
INST. #202100751 - 50' R/W



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CALFEE COMMUNITY & CULTURAL CENTER  
LAYOUT & UTILITY PLAN

DRAWN BY MSL  
DESIGNED BY MSL  
CHECKED BY JRT  
DATE 2/9/2023  
SCALE 1" = 20'  
REVISIONS  
4/27/2023



1 CORBIN HARMON DRIVE  
TOWN OF PULASKI, VIRGINIA  
MSL  
JRT  
2/9/2023  
1" = 20'  
C4  
PROJECT NO. 23220008.00

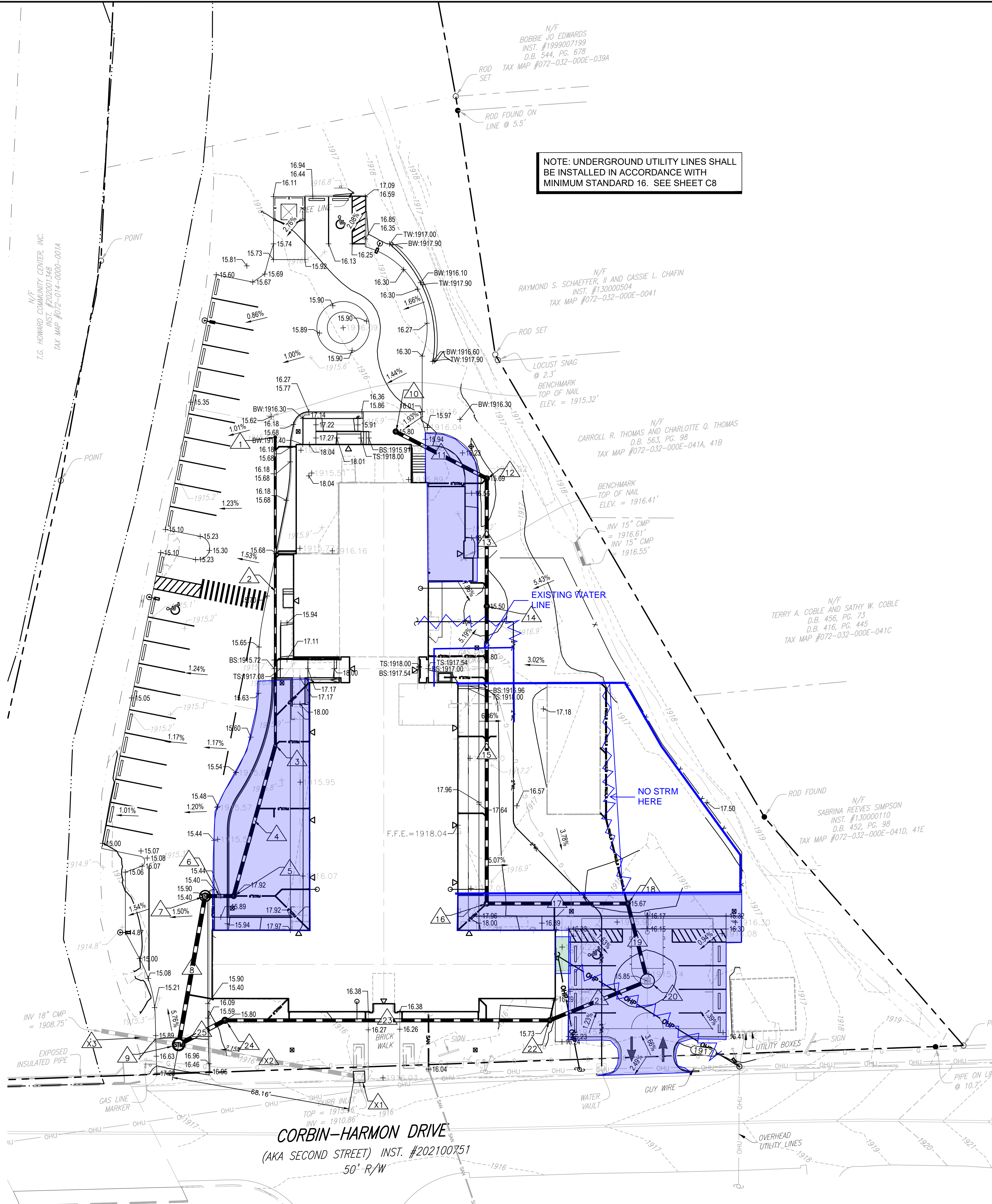


# STRUCTURE SCHEDULE

- 1 8" CLEANOUT  
TOP=1915.62 H=3.0'  
8" HDPE OUT=1912.62
- 2 117.42 LF OF 8" TYPE "S" HDPE @ 0.50%  
INV. IN=1912.62 INV. OUT=1912.03
- 3 12" DIA. NYLOPLAST YARD DRAIN & INLET STRUCTURE  
FLAT CAST IRON GRATE, LOCKING TYPE  
TOP=1917.92 H=5.93'  
(STR: 2) HDPE IN=1912.03  
(STR: 4) HDPE OUT=1912.03
- 4 59.59 LF OF 12" TYPE "S" HDPE @ 0.67%  
INV. IN=1912.03 INV. OUT=1911.64
- 5 12" DIA. NYLOPLAST YARD DRAIN & INLET STRUCTURE  
FLAT CAST IRON GRATE, LOCKING TYPE  
TOP=1917.92 H=6.43'  
(STR: 4) HDPE IN=1911.64  
(STR: 6) HDPE OUT=1911.64
- 6 10.88 LF OF 12" TYPE "S" HDPE @ 1.42%  
INV. IN=1911.64 INV. OUT=1911.48
- 7 24" DIA. NYLOPLAST INLET STRUCTURE & MANHOLE TOP  
SEE DETAIL ON SHEET C9 (VEHICULAR RATED, CONC. COLLAR)  
TOP=1915.38 H=3.94'  
(STR: 6) HDPE IN=1911.48  
(STR: 8) HDPE OUT=1911.48
- 8 57.55 LF OF 15" TYPE "S" HDPE @ 3.64%  
INV. IN=1911.48 INV. OUT=1909.39
- X1 EXISTING DI-3 DROP INLET STRUCTURE  
TOP=1915.96 H=5.76'  
(STR: X3) EX CMP OUT=1910.86
- X2 69.88 LF OF (EX)18" CMP @ 2.12%  
INV. IN=1910.86 INV. OUT=1909.38
- X3 29.79 LF OF (EX)18" CMP @ 2.12%  
INV. IN=1910.86 INV. OUT=1909.38
- 9 PRECAST DOGHOUSE 48" MANHOLE STRUCTURE  
SEE DETAIL ON SHEET C10 (VDOT STD.)  
TOP=1916.19 H=7.59'  
(STR: 8) HDPE IN=1909.39  
(STR: 25) HDPE IN=1909.48  
(STR: X2) EX. CMP IN=1909.38  
(STR: X3) EX CMP OUT=1909.38
- 10 12" DIA. NYLOPLAST YARD DRAIN & INLET STRUCTURE  
FLAT CAST IRON GRATE, LOCKING TYPE (CAST INTO SIDEWALK)  
TOP=1915.80 H=3.04'  
(STR: 11) HDPE OUT=1912.80
- 11 38.99 LF OF 12" TYPE "S" HDPE @ 0.50%  
INV. IN=1912.80 INV. OUT=1912.61
- 12 12" DIA. NYLOPLAST YARD DRAIN & INLET STRUCTURE  
FLAT CAST IRON GRATE, LOCKING TYPE (PLAY AREA)  
TOP=1915.69 H=3.23'  
(STR: 11) HDPE IN=1912.61  
(STR: 13) HDPE OUT=1912.61
- 13 48.75 LF OF 12" TYPE "S" HDPE @ 0.50%  
INV. IN=1912.61 INV. OUT=1912.36
- 14 12" DIA. NYLOPLAST YARD DRAIN & INLET STRUCTURE  
FLAT CAST IRON GRATE, LOCKING TYPE (PLAY AREA)  
TOP=1915.50 H=3.28'  
(STR: 13) HDPE IN=1912.36  
(STR: 15) HDPE OUT=1912.36
- 15 113.29 LF OF 12" TYPE "S" HDPE @ 1.00%  
INV. IN=1912.36 INV. OUT=1911.23
- 16 12" DIA. NYLOPLAST STRUCTURE, M.H. LID ONLY  
JUNCTION ONLY (PLAY AREA)  
TOP=1917.35 H=6.26'  
(STR: 15) HDPE IN=1911.23  
(STR: 17) HDPE OUT=1911.23
- 17 53.71 LF OF 12" TYPE "S" HDPE @ 1.00%  
INV. IN=1911.23 INV. OUT=1910.69
- 18 12" DIA. NYLOPLAST YARD DRAIN & INLET STRUCTURE  
FLAT CAST IRON GRATE, LOCKING TYPE (PLAY AREA)  
TOP=1915.67 H=5.02'  
(STR: 17) HDPE IN=1910.69  
(STR: 19) HDPE OUT=1910.69
- 19 30.48 LF OF 12" TYPE "S" HDPE @ 0.50%  
INV. IN=1910.69 INV. OUT=1910.54
- 20 PRECAST 48" DIA. MANHOLE WITH DI-1 INLET STRUCTURE  
TOP=1915.85 H=6.08'  
(STR: 19) HDPE IN=1910.54  
(STR: 21) HDPE OUT=1910.44
- 21 40.15 LF OF 12" TYPE "S" HDPE @ 0.50%  
INV. IN=1910.24 INV. OUT=1910.44
- 22 12" DIA. NYLOPLAST YARD DRAIN & INLET STRUCTURE  
FLAT CAST IRON GRATE, LOCKING TYPE  
TOP=1915.73 H=5.53'  
(STR: 21) HDPE IN=1910.24  
(STR: 23) HDPE OUT=1910.24
- 23 123.68 LF OF 12" TYPE "S" HDPE @ 0.25%  
INV. IN=1910.24 INV. OUT=1909.62
- 24 24" DIA. NYLOPLAST M.H. & 12" YARD DRAIN STRUCTURE  
FLAT CAST IRON GRATE, LOCKING TYPE  
TOP=1915.80 H=6.22'  
(STR: 23) HDPE IN=1909.62  
(STR: 25) HDPE OUT=1909.62
- 25 19.96 LF OF 15" TYPE "S" HDPE @ 0.70%  
INV. IN=1909.62 INV. OUT=1909.48

## DRAINAGE NOTES

1. ALL ROOF DRAIN DOWNSPOUTS SHALL BE NEW, RE-PURPOSED OR REPLACED CAST IRON "BOOT" AND CONNECT TO NEW STORM DRAIN SYSTEM.
2. NEW FOUNDATION DRAINS SHALL CONNECT TO STORM DRAIN PIPES WITH POSITIVE DRAINAGE AWAY FROM BUILDING.
3. CRAWL SPACE SUMP PUMPS SHALL DISCHARGE INTO STORM DRAINS AS INDICATED WITH "SP" SYMBOL. SEE LAYOUT SHEET C4 FOR SUMP PUMP LOCATIONS.



NOTE: UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH MINIMUM STANDARD 16. SEE SHEET C8

# STANDARD GRADING NOTES

1. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
2. REFER TO BUILDING PLANS FOR SUBGRADE AND UTILITY TRENCHES WITHIN 5' OF THE BUILDING ENVELOPE.
3. REMOVE TREES, SHRUBS, GRASS, AND OTHER VEGETATION, IMPROVEMENTS OR OBSTRUCTIONS AS REQUIRED TO PERMIT INSTALLATION OF NEW CONSTRUCTION. REMOVE TREES AND OTHER VEGETATION, INCLUDING STUMPS AND ROOTS, COMPLETELY IN AREAS REQUIRED FOR SUBSEQUENT SEEDING. CUT OFF TREES AND STUMPS IN AREAS TO RECEIVE FILL MORE THAN THREE FEET IN DEPTH TO WITHIN EIGHT INCHES OF THE ORIGINAL GROUND SURFACE.
4. BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND OPERATE WARNING LIGHTS AS RECOMMENDED BY AUTHORITIES HAVING JURISDICTION.
5. CUT SURFACE UNDER PAVEMENTS TO COMPLY WITH CROSS SECTIONS, ELEVATIONS, AND GRADES AS INDICATED.
6. EXCAVATE TRENCHES TO UNIFORM WIDTH CONFORMING TO VDOT STANDARD PB-1 FOR STORM DRAINAGE PIPING.
7. PREVENT SURFACE WATER AND SUBSURFACE OR GROUND WATER FROM FLOWING INTO EXCAVATIONS AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. REMOVE WATER TO PREVENT SOFTENING OF FOUNDATION BOTTOMS, UNDERCUTTING FOOTINGS, AND SOIL CHANGES DETRIMENTAL TO STABILITY OF SUBGRADES AND FOUNDATIONS. CONVEY WATER WHEN ATMOSPHERIC TEMPERATURE IS LESS THAN 35°F (1°C).
8. BACKFILLING SHALL BE A SUITABLE MATERIAL THAT IS CAPABLE ACHIEVING THE REQUIRED COMPACTIONS INDICATED ON THE DETAILS PAGE.
9. THE MINIMUM REQUIRED DENSITY FOR ALL COMPACTION, UNLESS NOTED OTHERWISE, SHALL BE 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN ±2% OF THE OPTIMUM MOISTURE CONTENT UNLESS DIRECTED OTHERWISE BY THE GEOTECHNICAL ENGINEER. LAWN AND UNPAVED AREAS OUTSIDE OF STRUCTURAL FILL MAY BE COMPACTED AT 85% OF THE STANDARD PROCTOR DENSITY WHEN DIRECTED BY THE GEOTECHNICAL ENGINEER.
10. FINISH LAWN AREAS TO WITHIN ONE INCH ABOVE OR BELOW REQUIRED SUBGRADE ELEVATIONS. SHAPE SURFACE UNDER WALKS AND PAVEMENTS TO LINE, GRADE, AND CROSS SECTION, WITH NOT MORE THAN 1/2" ABOVE OR BELOW REQUIRED SUBGRADE ELEVATION.
11. PROTECT GRADED AREAS FROM TRAFFIC AND EROSION. REPAIR AREAS WHICH HAVE SETTLED, ERODED, OR BECOME DAMAGED DUE TO CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO OWNER.
12. SPREAD TOPSOIL TO A UNIFORM COMPACTED DEPTH OF 2" ON 3:1 OR STEEPER SLOPES AND 4" OVER ALL OTHER DISTURBED AREAS NOT RECEIVING WALKS, PAVEMENT, WALLS OR BUILDING, INCLUDING TRENCHES (SEE TABLE 3.30-A). CARE SHALL BE TAKEN TO ENSURE PROPER BONDING AND NOT TO APPLY TOPSOIL TO SUBSOIL IF THE TWO SOILS HAVE CONTRASTING TEXTURES (CLAYEY VS. SANDY). TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION. WHEN TOPSOIL OR SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING, IMMEDIATELY FOLLOWING PLACEMENT OF TOPSOIL, DISK THE ENTIRE TOPSOILED AREA AND RAKE FREE OF STONES AND DEBRIS OVER 1/2" IN ANY DIMENSION. PROVIDE A FINISHED SURFACE FREE OF DEPRESSIONS OR HIGH SPOTS. SEED IMMEDIATELY.
13. YARD DRAINS SHALL BE INSTALLED WHEN POSITIVE DRAINAGE (5.0% MINIMUM SLOPE) AWAY FROM BUILDINGS CAN NOT BE ACHIEVED OR IS IN DOUBT. DRAINS TO OUTFALL INTO PROPOSED STORM SEWER. CONTRACTOR MAY ADD ADDITIONAL DRAINS IF SITE CONDITIONS ALLOW/REQUIRE AS NEEDED.
14. ALL ROOF DOWNSPOUTS SHALL DISCHARGE INTO (EXISTING AND/OR NEW) CAST-IRON BOOTS AND FEED TO A 6" SMOOTH WALLED LATERAL DRAIN PIPE. ROOF DRAINS SHALL CONNECT UNDERGROUND TO AN 8" MIN. HDPE COLLECTION PIPE PER PIPE SCHEDULE ON GRADING PLAN. DOWNSPOUT DRAIN PIPES SHALL HAVE A MINIMUM SLOPE OF 1.0% AND DISCHARGE INTO STORM SEWER PER PLAN. SEE PLAN NOTES FOR ADDITIONAL STUB-OUTS FOR FUTURE UNDERDRAIN CONNECTIONS BY OTHERS.
15. YARD DRAINS SHALL BE 12" NYLOPLAST INLINE DRAINS WITH TAMPER-PROOF LOCKING METAL GRATES OR EQUIVALENT.
16. MINIMUM COVER OVER COLLECTION PIPES SHALL CONFORM TO MANUFACTURER'S STANDARD.
17. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OR EXISTING UTILITIES ARE LOCATED DURING THE GRADING PROCESS FOR THE SITE.
18. ALL STORM INLET/MANHOLE BOTTOMS SHALL HAVE INVERT SHAPING (IS-1) PER VDOT STANDARDS.
19. HANDICAP PARKING AREA SHALL HAVE A MAXIMUM SLOPE OF 1:48 IN ANY DIRECTION.
20. HANDICAP ACCESS ROUTE SHALL HAVE A MAXIMUM RUNNING SLOPE OF 1:20 AND A MAXIMUM CROSS SLOPE OF 1:48 IN ACCORDANCE WITH ADA GUIDELINES. RAMPS SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION.



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GRADING PLAN

DRAWN BY MSL  
DESIGNED BY MSL  
CHECKED BY JRT  
DATE 2/9/2023  
SCALE 1" = 20'  
REVISIONS

PROJECT NO. 2322008.00

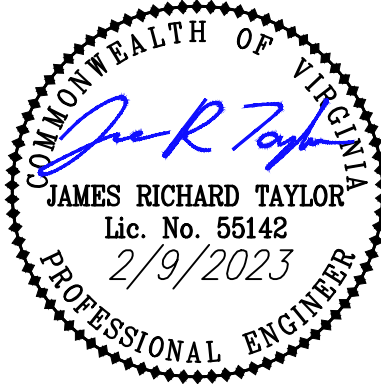
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UTILITY PROFILES & DETAILS

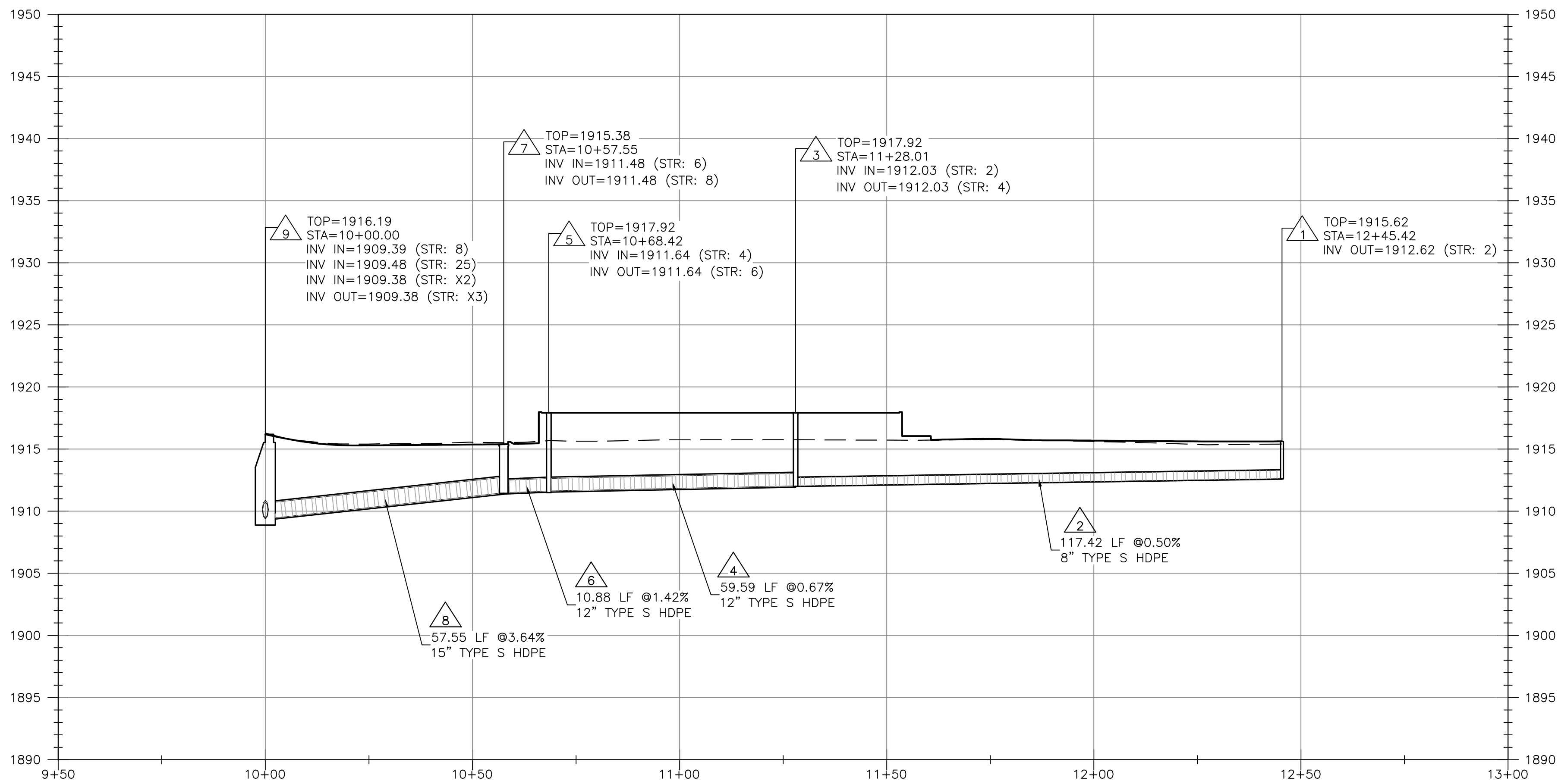
1 CORBIN-HARMON DRIVE  
TOWN OF POLASKI, VIRGINIA

DRAWN BY MSL  
DESIGNED BY MSL  
CHECKED BY JRT  
DATE 2/9/2023  
SCALE AS NOTED  
REVISIONS

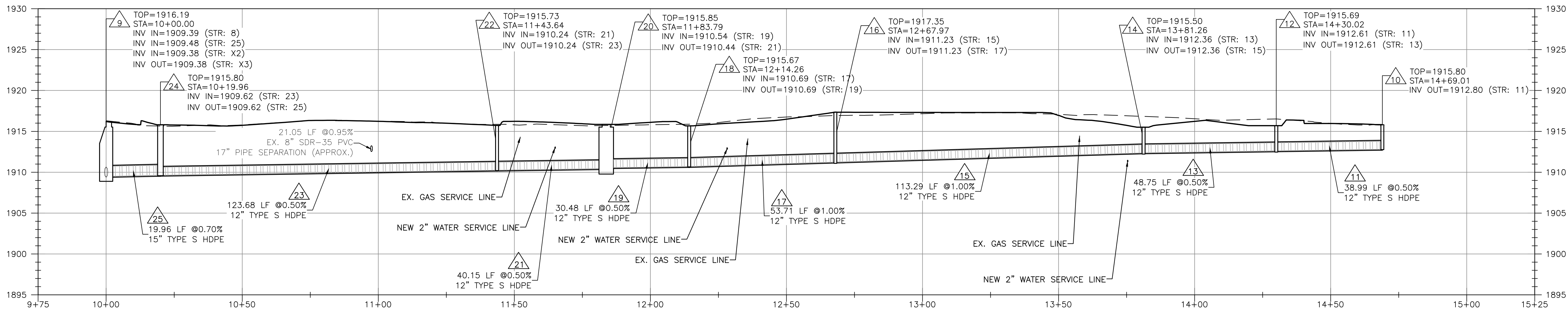
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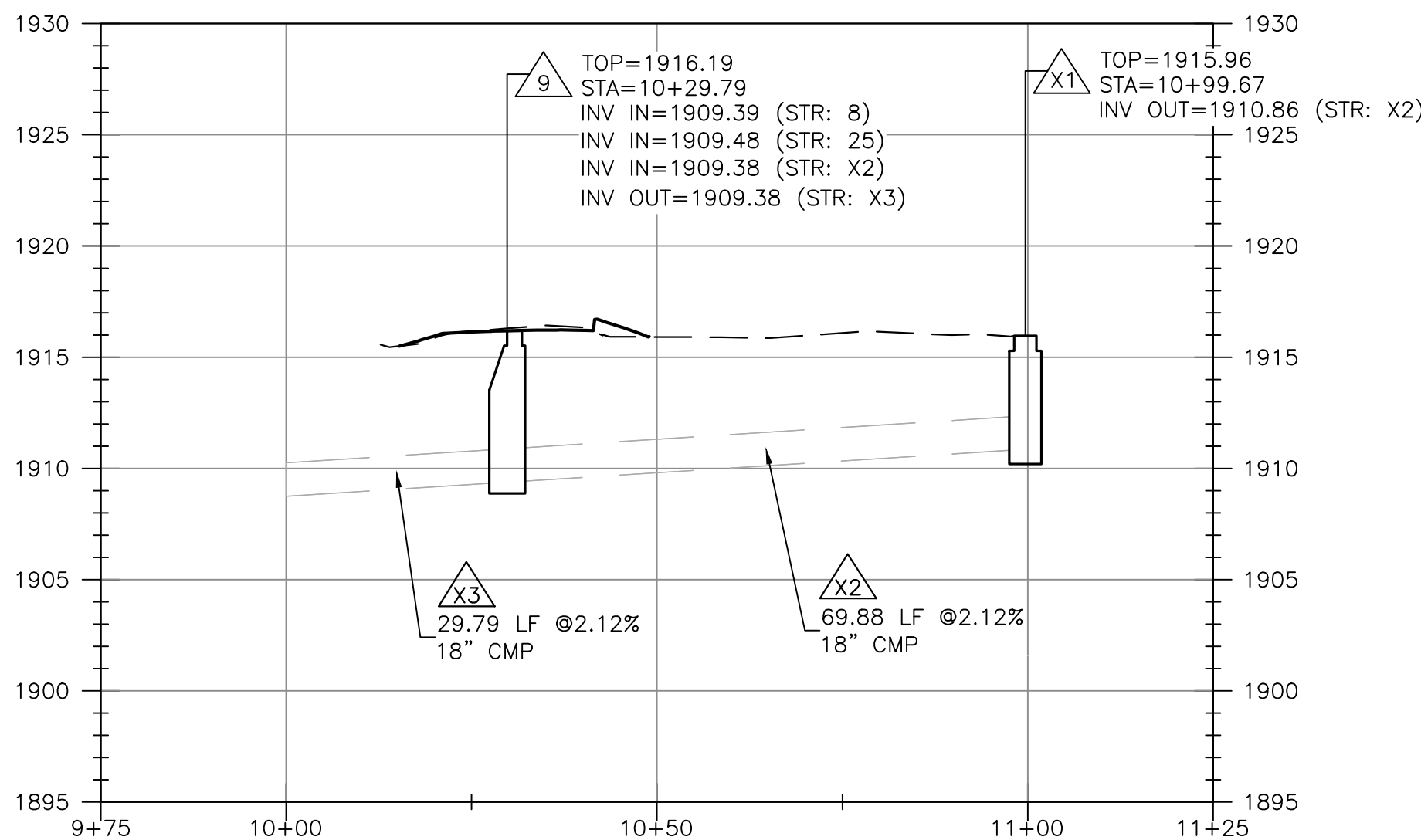
STORM 1 - 9 PROFILE



STORM 10 - 25 PROFILE

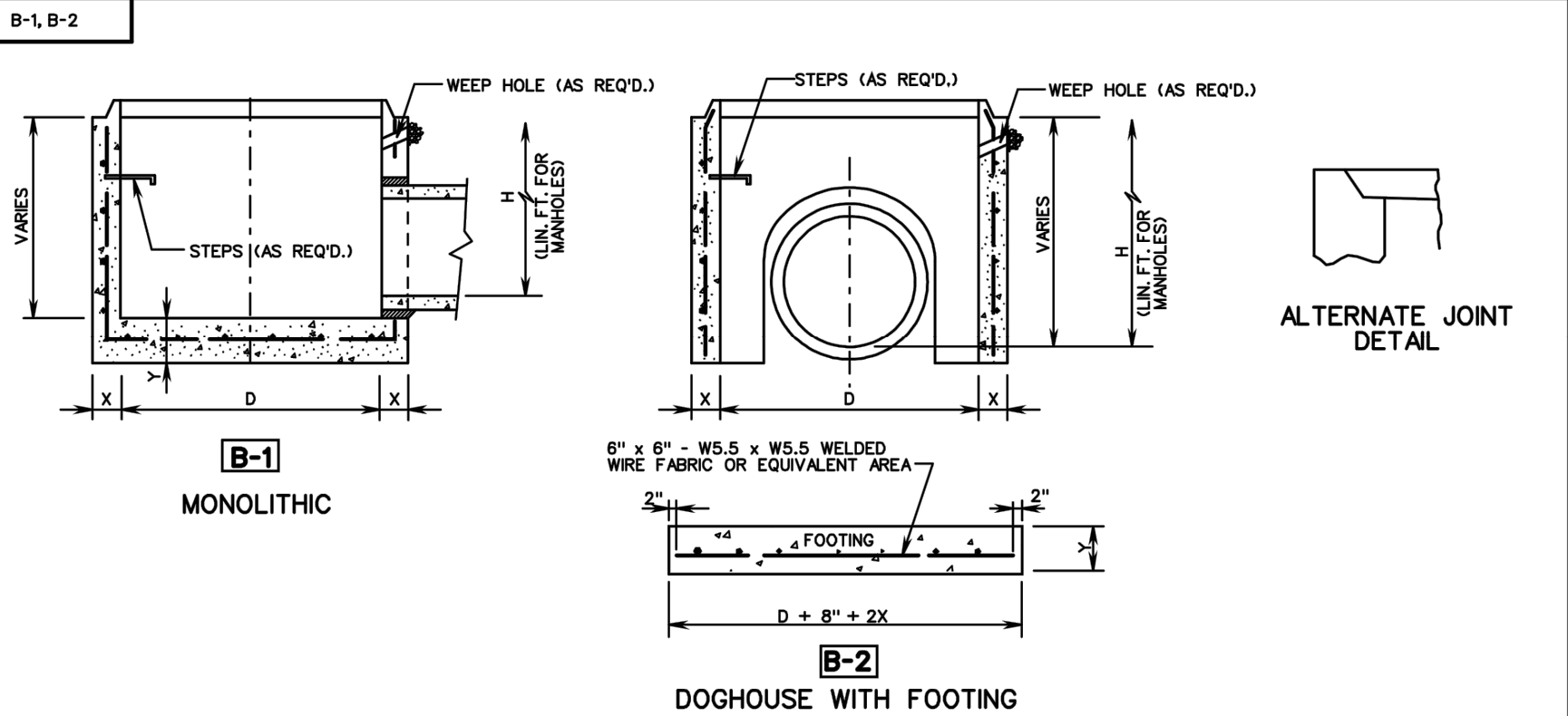


STORM X1-X3 PROFILE



\*NOTE:  
1. EXISTING GAS LOCATION AND DEPTH IS ASSUMED AT 24" DEPTH, LOCATION TO BE VERIFIED BY ATMOS ENERGY 811 LOCATE TICKET  
2. NEW 2" WATER SERVICE LATERAL (ABANDON IN PLACE EX. WATER LATERAL ENTERING FORMER "BOILER ROOM").  
2.1. NEW LOCATION WL TO ENTER CRAWLSPACE, AS SHOWN ON M.E.P./ARCH. PLANS, G.C. TO CONFIRM ACTUAL FIELD LOCATION OF BEST ENTRY WITH PROJECT ENGINEER/ARCHITECT AND/OR TOWN INSPECTOR, AND MAKE NOTATIONS ON AS-BUILT DRAWINGS.

2016 ROAD & BRIDGE STANDARDS



NOTES:

- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON WEEP HOLES, STEP REQUIREMENTS, "H" (LIN. FT. FOR MANHOLES) DIMENSIONS, ETC.
- ALL BASE UNITS ARE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO M199.
- CONCRETE SHALL BE 4000 PSI.
- WHERE OPENINGS ARE REQUIRED FOR PIPE, THEY SHALL BE FORMED, DRILLED, OR NEATLY CUT AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH THE FABRICATOR WITH THE ANGLES BETWEEN CENTER LINES, THE INVERT ELEVATIONS AND THE SIZE OF ALL PIPES TO ENTER THE MANHOLE. HOLES ARE TO BE A MINIMUM OF 4" TO A MAXIMUM OF 6" LARGER THAN THE OUTSIDE DIAMETER OF THE PROPOSED PIPE.
- DIMENSIONS SHOWN ARE MINIMUM. ACTUAL DIMENSIONS MAY VARY WITH MANUFACTURER.
- "D" IS NOMINAL DIAMETER.
- IN THE EVENT THE INVERT OF THE OUTFALL PIPE IS HIGHER THAN THE BOTTOM OF THE STRUCTURE, THE INVERT OF THE STRUCTURE SHALL BE SHAPED WITH CEMENT MORTAR TO PREVENT STANDING OR PONDING OF WATER IN THE STRUCTURE.
- TONGUE AND GROOVE JOINT ARE TO BE OF FABRICATOR'S DESIGN MEETING VDOT APPROVAL. JOINTS ARE TO BE SEALED WITH MORTAR, G-RING GASKETS, OR BUTYL RUBBER.

DIMENSIONS				
D	X	MINIMUM	SUGGESTED MAX. PIPE SIZE	ABSOLUTE MAXIMUM X
36"	4"	6"	24"	21"
48"	5"	8"	30"	27"
60"	6"	10"	36"	33"
72"	8"	12"	48"	45"
84"	10"	14"	60"	57"
96"	12"	16"	72"	69"

\* DEPTH "H" OF 36" DIAMETER BASE UNIT RESTRICTED TO 4'-0" MAXIMUM.  
\* ONE THROUGH PIPE ONLY. (ONE PIPE ENTERING AND ONE PIPE EXITING STRUCTURE)

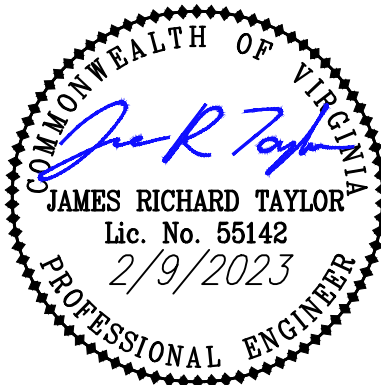
VDOT ROAD AND BRIDGE STANDARDS		STANDARD PRECAST BASE UNITS		SPECIFICATION REFERENCE	
SHEET 1 OF 1	REVISION DATE	VIRGINIA DEPARTMENT OF TRANSPORTATION		105	302
103.11		2016 ROAD & BRIDGE STANDARDS			





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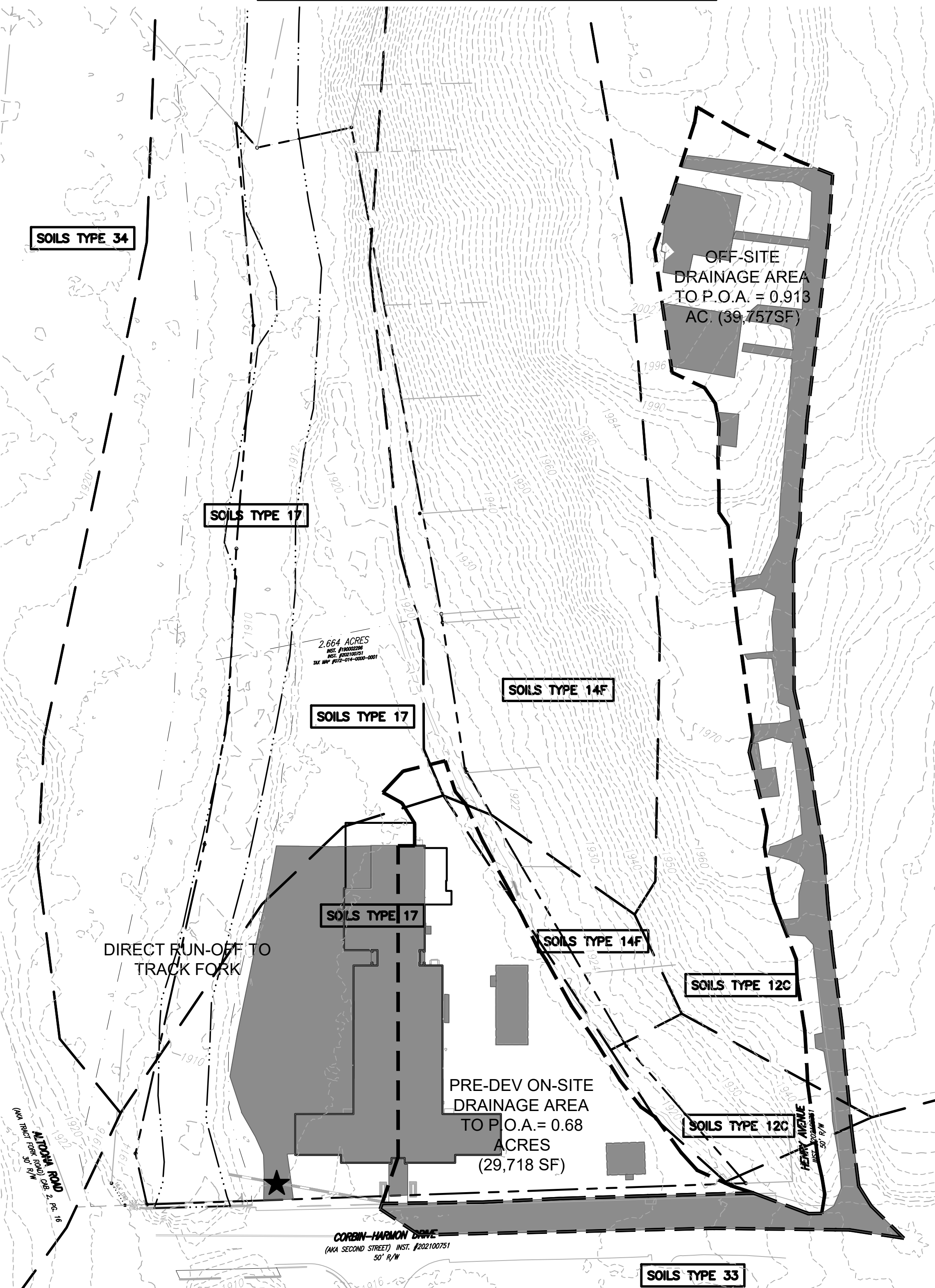
DRAINAGE AREA MAPS

1 CORBIN-HARMON DRIVE  
TOWN OF POLASKI, VIRGINIA

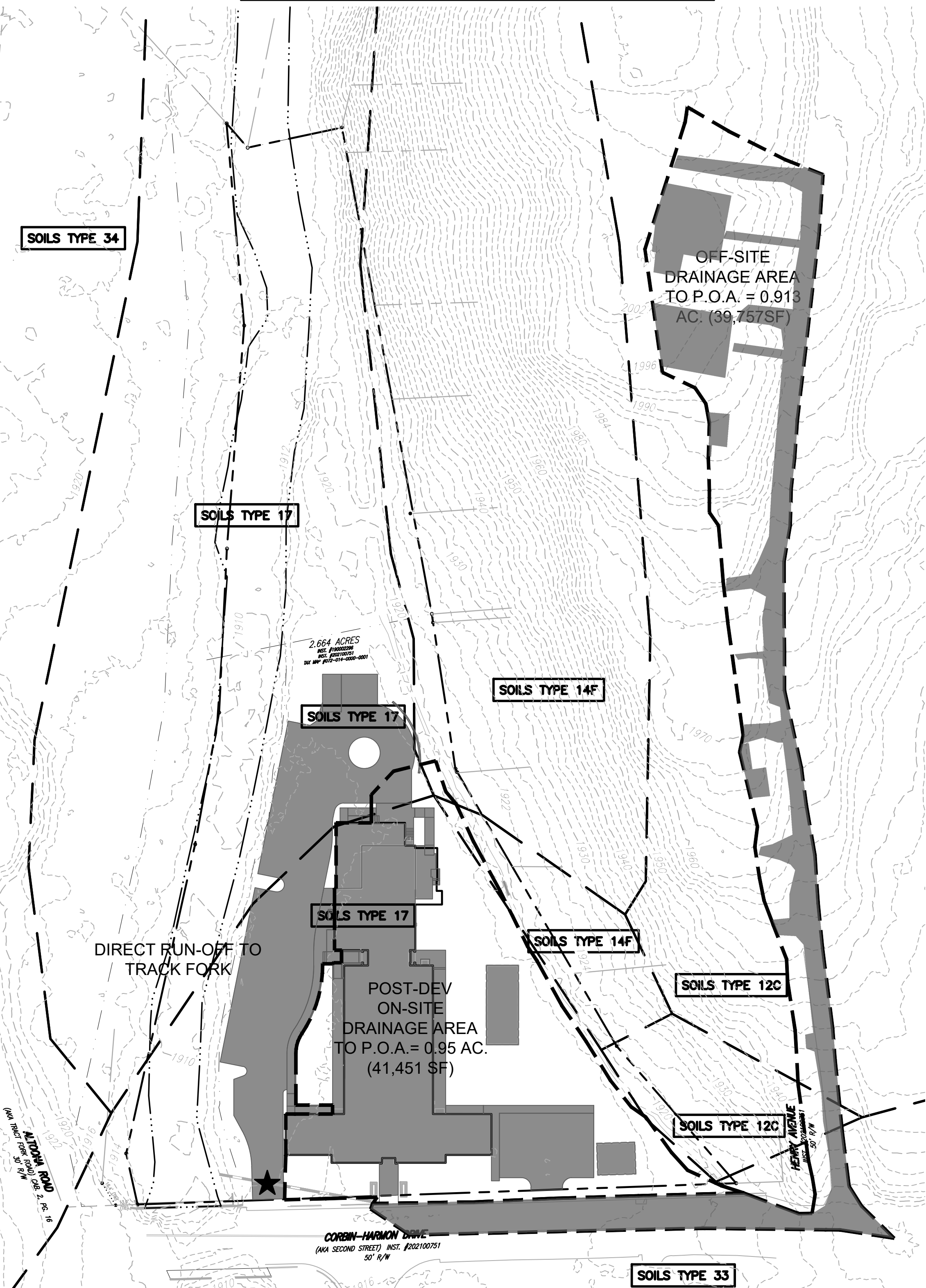
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PRE-DEVELOPMENT DRAINAGE AREA MAP



POST-DEVELOPMENT DRAINAGE AREA MAP

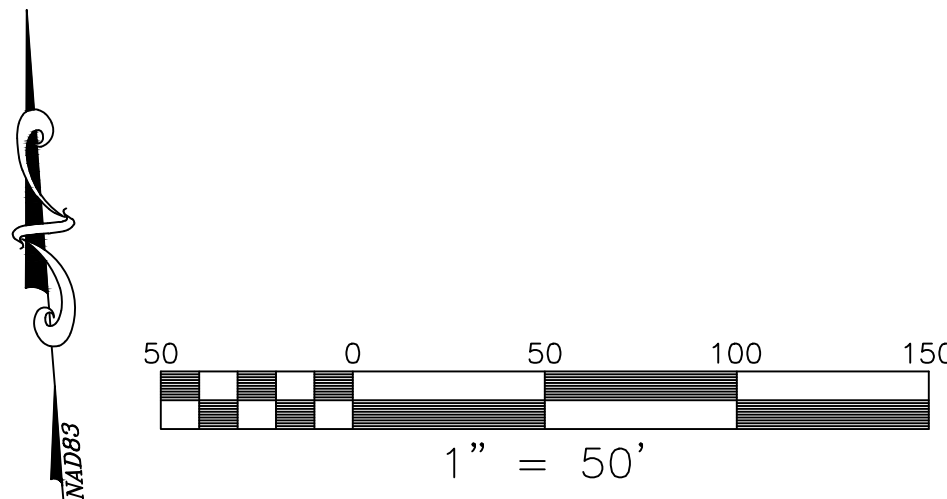


**LEGEND:**

- IMPERVIOUS AREA
- DRAINAGE BOUNDARY
- SOIL TYPE LINE

**SOILS MAP LEGEND:**

MAP UNIT SYMBOL	HYDROLOGIC SOIL GROUP	MAP UNIT NAME
12C	TYPE C	GROSECLOSE-URBAN LAND COMPLEX (7 TO 15 PERCENT SLOPES)
14C	TYPE D	KLINESVILLE-BERKS CHANNERY SILT LOAMS (7 TO 15 PERCENT SLOPES)
14F	TYPE D	KLINESVILLE-BERKS CHANNERY SILT LOAMS (30 TO 65 PERCENT SLOPES)
17	TYPE C	LINDSIDE-NOLIN SILT LOAMS
33	N/A	URBAN LAND
34	TYPE B	WHEELING SANDY LOAM
W	N/A	WATER





STANDARD EROSION & SEDIMENT CONTROL NOTES

1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
2. THE TOWN ENGINEER AND OTHER INTERESTED AGENCIES SHALL MAKE A CONTINUING REVIEW AND EVALUATION OF THE METHODS USED FOR THE OVERALL EFFECTIVENESS OF THE EROSION CONTROL PROGRAM. AN APPROVED EROSION AND SEDIMENT CONTROL PLAN MAY BE AMENDED BY THE PLAN APPROVING AUTHORITY IF AN ON SITE INSPECTION INDICATED THAT THE APPROVED CONTROL MEASURES ARE NOT EFFECTIVE IN CONTROLLING EROSION AND SEDIMENTATION OR IF BECAUSE OF CHANGED CIRCUMSTANCES, THE APPROVED PLAN CANNOT BE CARRIED OUT.
3. ANY/ALL OFF-SITE DRAINAGE EASEMENTS MUST BE RECORDED PRIOR TO ISSUANCE OF A LAND DISTURBANCE PERMIT FOR THIS PROJECT.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OR PROVISION OF A SEPARATE EROSION CONTROL PLAN REQUIRED FOR EXCAVATED MATERIAL REMOVED FROM THE SITE AND DEPOSITED AT AN OFF-SITE LOCATION. THE CONTRACTOR SHALL GAIN TOWN APPROVAL OF THESE LOCATIONS PRIOR TO STOCKPILING MATERIAL.
5. STABILIZATION BLANKETS AND MATTING SHALL BE INSTALLED ON ALL CUT OR FILL SLOPES STEEPER THAN 3:1.
6. ALL CUT AND FILL SLOPES & CHANNEL SIDE SLOPES WHICH ARE NOT TO BE PAVED SHALL BE SEEDED UNTIL A GOOD STAND OF GRASS IS OBTAINED IN ACCORDANCE WITH VESCH STANDARDS AND SPECIFICATIONS 3.30, 3.31, 3.32 3.35 AND 3.36.
7. PROPERTIES AND RIGHTS-OF-WAYS ADJOINING THE SITE SHALL BE KEPT CLEAN OF MUD OR SILT CARRIED FROM THE SITE BY VEHICULAR TRAFFIC OR RUNOFF.
8. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED SO THAT SEDIMENT CARRYING RUNOFF FROM THE SITE WILL NOT ENTER STORMWATER DRAINAGE FACILITIES.
9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS AND DETAILS OF THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) BY THE VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION (DCR).
10. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE TOWN ENGINEER OR TOWN INSPECTOR.

ESC MAINTENANCE SCHEDULE

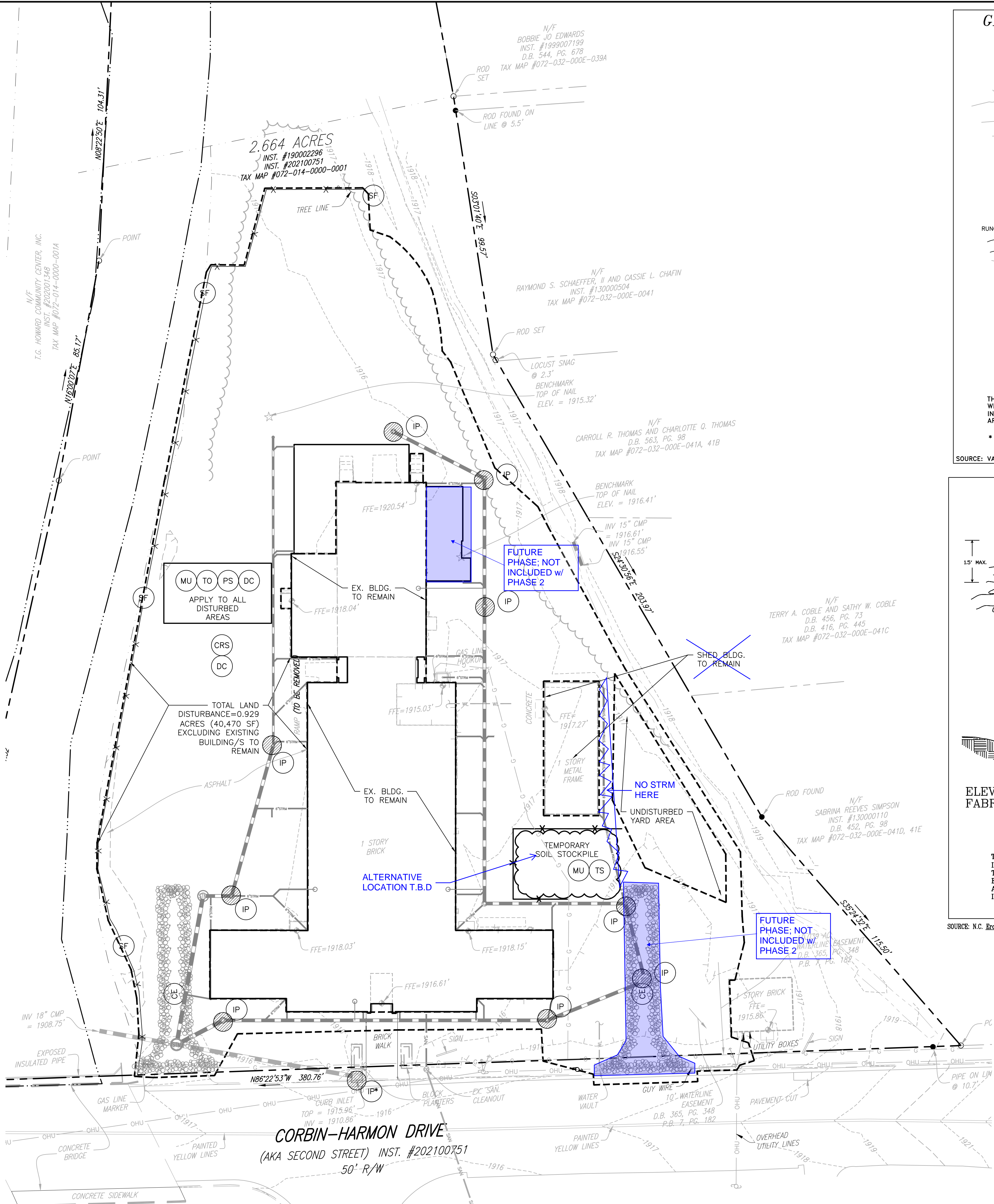
1. CONSTRUCTION ENTRANCE(S) SHALL BE PERIODICALLY CHECKED AND MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT.
2. CONSTRUCTION ROAD STABILIZATION MAY REQUIRE PERIODIC TOP DRESSING WITH NEW GRAVEL. SEEDED AREAS ADJACENT TO THE ROADS AND PARKING AREAS SHOULD BE CHECKED PERIODICALLY TO ENSURE THAT A VIGOROUS STAND OF VEGETATION IS MAINTAINED. ROADSIDE DITCHES AND OTHER DRAINAGE STRUCTURES SHOULD BE CHECKED REGULARLY TO ENSURE THEY DO NOT BECOME CLOGGED WITH SILT OR OTHER DEBRIS.
3. THE SILT FENCE BARRIER WILL BE CHECKED IMMEDIATELY AFTER EACH RUNOFF PRODUCING EVENT AND DAILY DURING PROLONGED RAIN EVENTS FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
4. THE STORM DRAIN INLET PROTECTION MEASURES WILL BE CHECKED AFTER EACH RUNOFF PRODUCING EVENT FOR SEDIMENT BUILDUP, WHICH WILL PREVENT DRAINAGE. AGGREGATE SHALL BE REPLACED OR CLEANED WHEN INSPECTION REVEALS THAT CLOGGED VOIDS ARE CAUSING PONDING PROBLEMS WHICH INTERFERE WITH ON-SITE CONSTRUCTION. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE AREA AROUND THE INLET AS NECESSARY TO ALLOW FOR ADEQUATE PONDING. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.
5. THE CULVERT AND CULVERT INLET PROTECTION SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. AGGREGATE SHALL BE REPLACED OR CLEANED WHEN INSPECTION REVEALS THAT CLOGGED VOIDS ARE CAUSING PONDING PROBLEMS WHICH INTERFERE WITH ONSITE CONSTRUCTION. SEDIMENT SHALL BE REMOVED AND THE IMPOUNDMENT RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.
6. THE DIVERSION DIKES SHALL BE INSPECTED AFTER EVERY STORM AND REPAIRS MADE TO THE DIKE, FLOW CHANNEL, OUTLET OR SEDIMENT TRAPPING FACILITY, AS NECESSARY. ONCE EVERY TWO WEEKS, WHETHER A STORM EVENT HAS OCCURRED OR NOT, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IF NEEDED. DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY MUST BE REPAIRED BEFORE THE END OF EACH WORKING DAY.
7. THE ROW DIVERSION SHALL BE INSPECTED AFTER EVERY RAINFALL AND REPAIRS MADE IF NECESSARY. AT LEAST ONCE EVERY TWO WEEKS, WHETHER A STORM HAS OCCURRED OR NOT, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IF NEEDED. RIGHT-OF-WAY DIVERSIONS, WHICH ARE SUBJECT TO DAMAGE BY VEHICULAR TRAFFIC, SHOULD BE RESHAPED AT THE END OF EACH WORKING DAY.
8. SEEDED AREAS WHICH FAIL TO ESTABLISH A VEGETATIVE COVER SHALL BE RESEED AS NECESSARY. THE SEEDED AREAS SHOULD BE CHECKED MONTHLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEED AS NECESSARY.
9. ALL SOIL STABILIZATION BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OF THE DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY STABILIZED; AT THAT TIME AN ANNUAL INSPECTION SHOULD BE ADEQUATE.

PHASE I CONSTRUCTION SEQUENCE

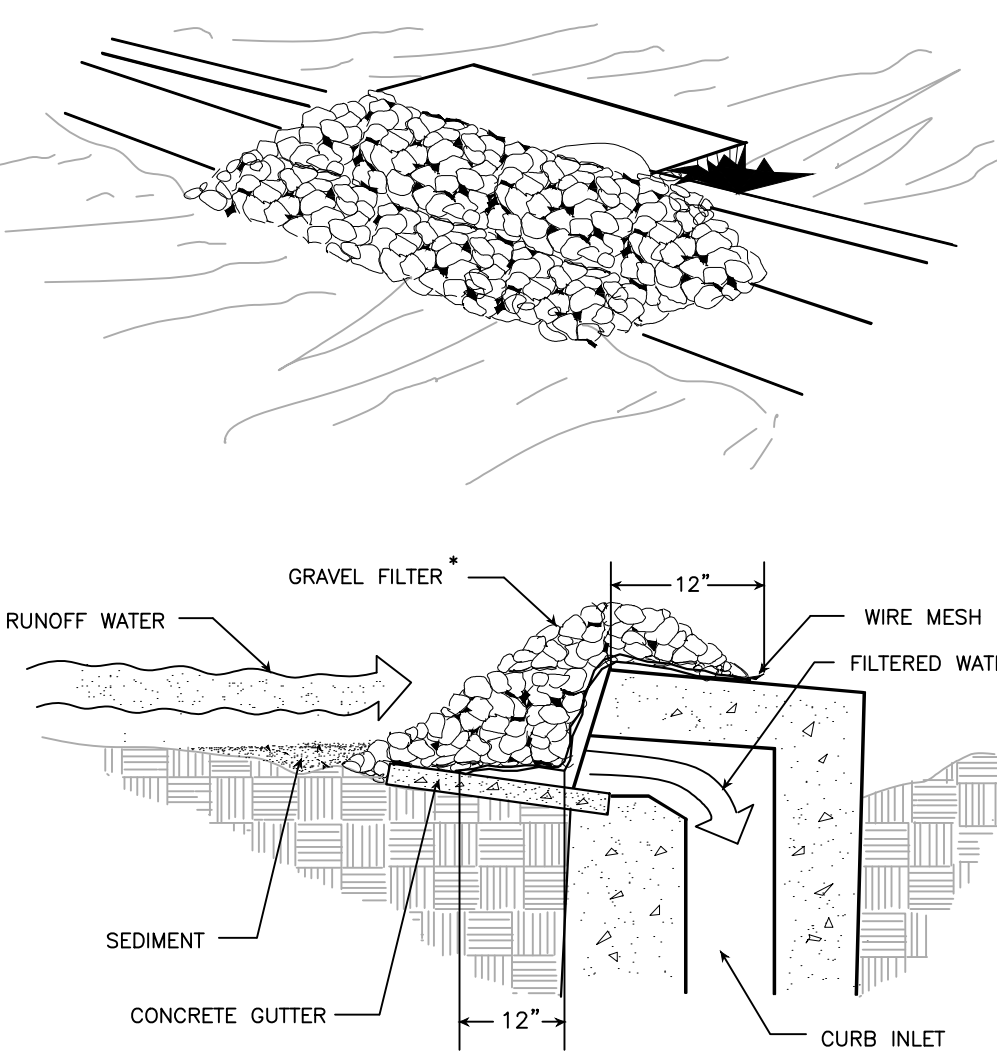
1. AS THE FIRST STEP IN IMPLEMENTATION OF THIS EROSION AND SEDIMENT CONTROL PLAN, IT SHALL BE THE GENERAL CONTRACTOR'S (GC) RESPONSIBILITY TO REVIEW THIS PLAN IN DETAIL WHILE FAMILIARIZING THEMSELVES WITH THE SITE PRIOR TO COMMENCING ANY WORK. ADDITIONALLY, IT SHALL BE THE GC'S RESPONSIBILITY TO READ AND ADHERE TO THE STORMWATER POLLUTION PREVENTION PLAN AND THE RECOMMENDATIONS OF THE ONSITE GEOTECHNICAL ENGINEER.
2. NOTE: FAILURE TO FOLLOW THE SEQUENCE OF CONSTRUCTION OF THE APPROVED PLANS SHALL BE CONSIDERED A VIOLATION AND WILL RESULT IN FURTHER ENFORCEMENT INCLUDING, BUT NOT LIMITED TO, STOP WORK ORDERS AND CIVIL PENALTIES.
3. A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE OWNER/DEVELOPER, GC, ENGINEER, TOWN STAFF, AND ANY OTHER NECESSARY AGENCIES IN ATTENDANCE. ATTENDEES SHALL BE GIVEN AT LEAST ONE WEEK NOTICE PRIOR TO THE PRECONSTRUCTION MEETING. NO LAND DISTURBING ACTIVITY SHALL OCCUR PRIOR TO THIS MEETING OR THE ISSUANCE OF THE LAND DISTURBING PERMIT.
4. CONTRACTOR SHALL COORDINATE WITH ENGINEER TO HAVE LIMITS OF DISTURBANCE AND PROPERTY CORNERS CLEARLY MARKED BY FLAGGING OR PAINT. PERIMETER CONTROLS (I.E. SILT FENCE AND DIVERSION DIKES) SHALL BE SUPPLEMENTED BY FLAGGING, PAINT, AND/OR STAKES TO ENSURE ALL LIMITS OF DISTURBANCE ARE CLEARLY MARKED. TREES TO BE REMOVED SHOULD BE MARKED CLEARLY WITH FLAGGING OR PAINT TO DISTINGUISH THEM FROM TREES TO REMAIN. TREES LOCATED WITHIN THE LIMITS OF DISTURBANCE INTENDED TO REMAIN SHOULD BE PROTECTED WITH TREE PROTECTION FENCING. NO TREES OUTSIDE OF THE LIMITS OF DISTURBANCE SHOULD BE REMOVED.
5. GC SHALL CONTACT MISS UTILITY TO HAVE THE LOCATION OF ANY AND ALL EXISTING UTILITIES MARKED. GC SHALL COORDINATE ANY RELOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, ELECTRIC AND TELECOMMUNICATION LINES AS REQUIRED.
6. TWO CONSTRUCTION ENTRANCES ARE INDICATED ON PLANS. INSTALL AS NEEDED BEFORE ACCESSING THE SITE OR STARTING BUILDING CONSTRUCTION. INSTALL TEMPORARY CONSTRUCTION ENTRANCE IN LOCATIONS SHOWN ON PLAN. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA SITE CONSTRUCTION ENTRANCES ONLY. DURING WET WEATHER CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES SHALL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING HIGHWAY. CONTRACTOR SHALL PROVIDE WATER SOURCE FOR TIRE WASH AREA PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL ENSURE THAT WATER FROM THE TIRE WASHING AREA DRAINS TO A SEDIMENT TRAPPING MEASURE AT ALL TIMES.
7. INSTALL INLET PROTECTION ON EXISTING CORBIN-HARMON DRIVE DROP INLET.
8. GC SHALL PRESERVE EXISTING MILL RACE ALONG THE EASTERN PORTION OF THE SITE. THIS HISTORIC MILL RACE CURRENTLY WORKS AS A CLEAN WATER DIVERSION FOR OFFSITE RUN-OFF FROM ENTERING THE PROJECT AREA.
18. SECURE LOCATION OF GAS SERVICE MAIN ALONG CORBIN-HARMON DRIVE AND PROTECT FROM EXCAVATION ACTIVITIES. LOCATE AND PROTECT EXISTING GAS SERVICE MAIN & LATERAL TO BUILDING BEFORE BEGINNING CONSTRUCTION ACTIVITIES.
20. BEGIN BUILDING CONSTRUCTION. UPON BUILDING COMPLETION, CONTINUE WITH SITE WORK COMPLETION AS FOLLOWS: REMOVE ASPHALT OR MILL EXISTING ASPHALT AS REQUIRED TO MAINTAIN A NO-FILL IMPACT TO THE 100-YEAR FLOODPLAIN, OVER-EXCAVATE AND/OR STRIP TOPSOIL AND PLACE IN LOCATION SHOWN ON PLAN WITH SILT FENCE AROUND OVERGRADE SIDE. DUE TO THE LIMITED SPACE ON THE SITE, THE CONTRACTOR MAY FIND IT PREFERABLE TO UTILIZE MULTIPLE STOCKPILE LOCATIONS IN ORDER TO KEEP IT OUT OF THE WAY. THIS IS ACCEPTABLE, PROVIDED THAT SILT FENCE IS PROVIDED ON THE DOWNGRADE SIDE OF ANY PILE TO HOLD THE TOPSOIL IN PLACE.
21. ONCE THE ALL PERIMETER CONTROLS (AND ABOVE NOTES) ARE IN PLACE, BEGIN GRADING AND CONSTRUCTION ACTIVITIES PER PLANS.
22. ONCE THE SITE HAS BEEN BROUGHT TO SUBGRADE, INSTALL ROOF DRAINS, FOUNDATION DRAINS, STORM DRAIN PIPES/STRAPIERS, INSTALL INLET PROTECTION AT EACH NEW STORM GRATE OR INLET STRUCTURE IMMEDIATELY UPON COMPLETION.
18. INSTALL OTHER UTILITIES SUCH AS WATER LATERAL AND CONNECT TO AND/OR REPAIR EXISTING SANITARY SEWER CONNECTION. G.C. SHALL OBTAIN APPROVALS FROM TOWN INSPECTOR OR PROJECT ENGINEER PRIOR TO BACKFILLING TRENCHES AND STRUCTURES.
19. AS GRADING ALLOWS, INSTALL REMAINDER OF THE STORM STRUCTURES, WORKING FROM DOWNSTREAM TO UPSTREAM. MANHOLES DO NOT REQUIRE INLET PROTECTION UNLESS THEY WILL NOT HAVE A UD INSTALLED IMMEDIATELY.
20. APPLY DUST CONTROL AS NEEDED.
21. INSTALL CURB AND GUTTER, HANDICAP RAMPS, SIDEWALKS, AND FINAL ASPHALT SURFACE. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE PERMANENTLY STABILIZED.
22. SOIL STABILIZATION BLANKETS & MATTING SHALL BE INSTALLED ON ANY SLOPE WITH A GRADE OF 3:1 OR STEEPER. ALL SILT FENCES AND OTHER TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM THE SITE, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR TOWN OFFICIALS.

CRITICAL AREAS

- THE FOLLOWING AREAS ARE IDENTIFIED AS CRITICAL EROSION AREAS AND SHALL BE STABILIZED AND MONITORED DURING CONSTRUCTION PER THE EROSION AND SEDIMENT CONTROL PRACTICES SPECIFIED ON THE PLAN. PARTICULAR CARE SHALL BE EXERCISED IN THESE AREAS TO PREVENT DAMAGE TO DOWNSTREAM PROPERTIES:
1. AREAS ADJACENT TO INLETS: PREVENT SEDIMENT DISCHARGE TO EXISTING STORM SEWER SYSTEM.
  2. PUBLIC RIGHT-OF-WAY: PREVENT MUD TRACKING ONTO PUBLIC STREETS
  3. ADJACENT JURISDICTIONAL WATERS



GRAVEL CURB INLET SEDIMENT FILTER



SPECIFIC APPLICATION

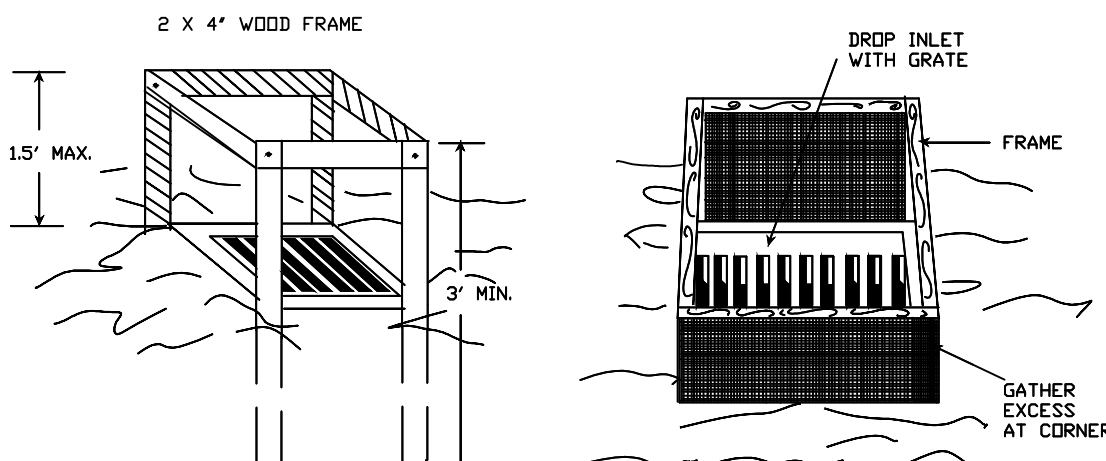
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

\* GRAVEL SHALL BE VDOT #3, #357 OR 5 COARSE AGGREGATE.

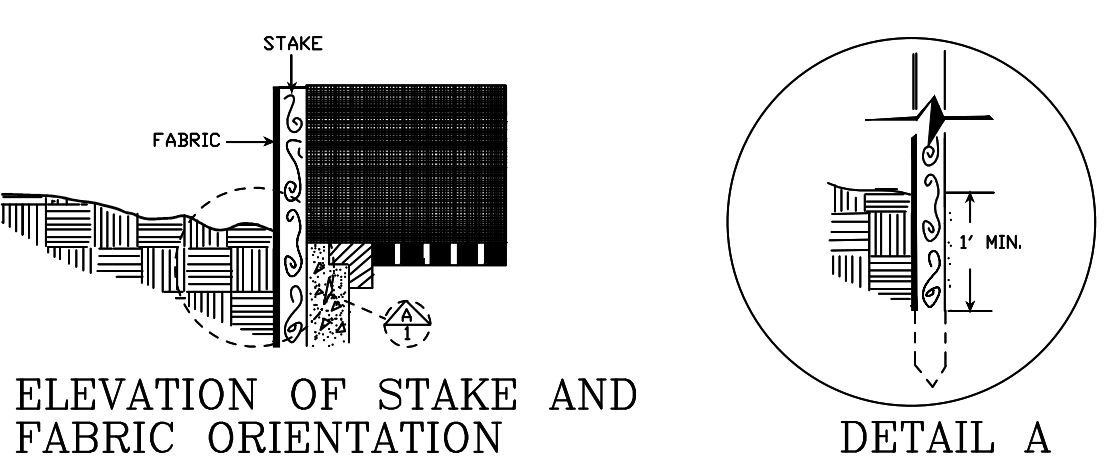
SOURCE: VA. DSWC

PLATE 3.07-6

SILT FENCE DROP INLET PROTECTION



PERSPECTIVE VIEWS



ELEVATION OF STAKE AND FABRIC ORIENTATION

DETAIL A

SPECIFIC APPLICATION

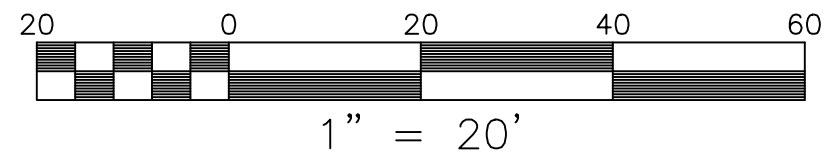
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

SOURCE: N.C. Erosion and Sediment Control Planning and Design Manual, 1988

PLATE 3.07-7

LEGEND

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE
3.05	SILT FENCE	SF
3.07	INLET PROTECTION	IP
3.30	TOPSOILING	TO
3.31	TEMPORARY SEEDING	TS
3.35	MULCHING	MU



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CALFEE COMMUNITY & CULTURAL CENTER

EROSION SEDIMENT CONTROL PLAN

1 CORBIN-HARMON DRIVE  
TOWN OF POLASKI, VIRGINIA

DRAWN BY MSL  
DESIGNED BY MSL  
CHECKED BY JRT  
DATE 2/9/2023  
SCALE 1" = 20'  
REVISIONS

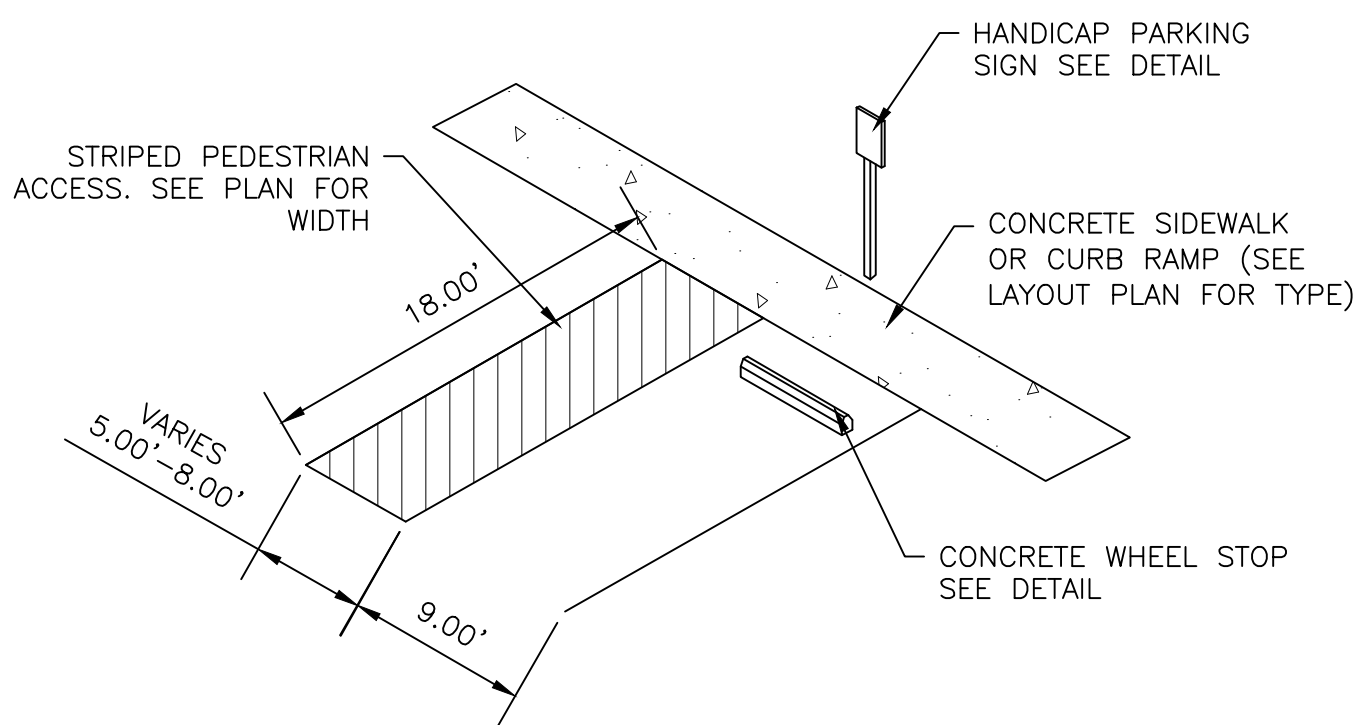
**C8**

PROJECT NO. 23220008.00



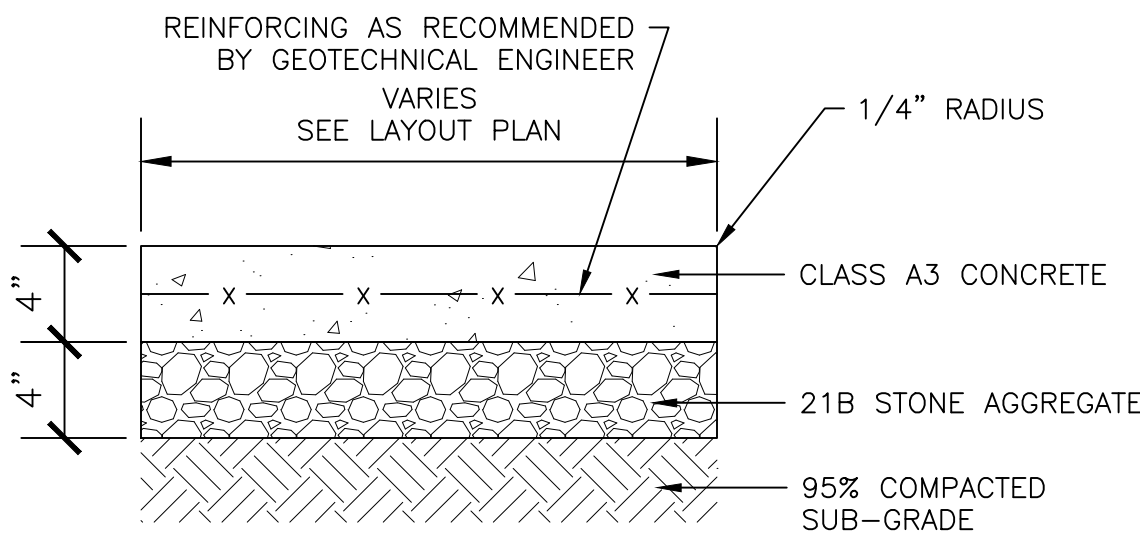






NOTE: CONSTRUCT AT MAXIMUM 1.85% CROSS SLOPE IN ANY DIRECTION WITHIN AN ACCESSIBLE PARKING SPACE OR AISLE (COORDINATE WITH GRADING PLAN). FINISHED SURFACE SHALL MEASURE NO GREATER THAN 1:48 (2.08%) IN ANY DIRECTION.

### HANDICAP PARKING SPACE - DETAIL



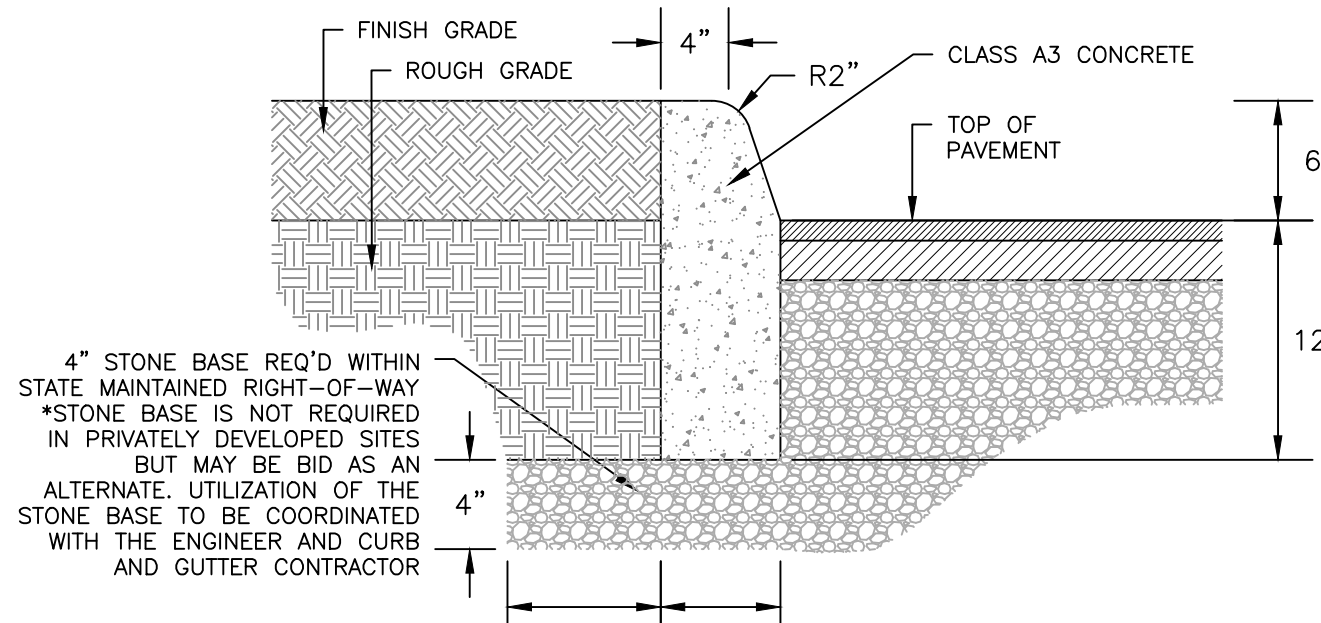
### HANDICAP PARKING SIGN - DETAIL

NTS

- NOTES:
1. FINISH: TROWELED EDGES, BROOM FINISH.
  2. CONTRACTION JOINTS SHALL BE PROVIDED BY SCORING AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK, UNLESS PLAN SHOWS OR SPECIFIES OTHERWISE.
  3. EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 50 FEET, AT JUNCTION POINTS OF CURBS AND ENTRANCES, AND WHERE ADJACENT TO BUILDINGS. PREMOLDED,  $\frac{1}{2}$ " JOINT FILLER SHALL BE USED EXTENDING FROM BOTTOM OF SLAB TO  $\frac{1}{4}$ " FROM TOP OF SURFACE.
  4. CONCRETE SECTION IS PRELIMINARY, CONSULT GEOTECHNICAL ENGINEER FOR FINAL DESIGN

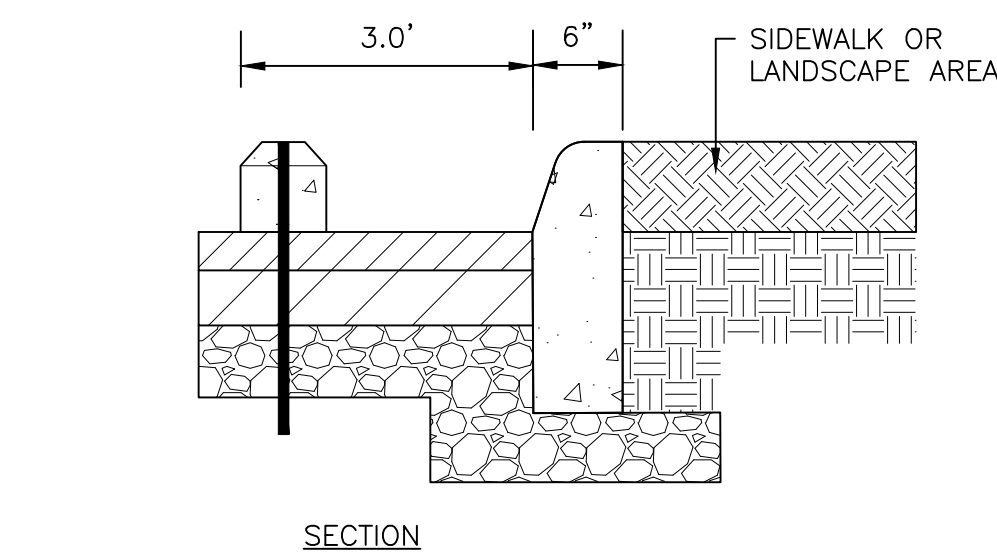
### CONCRETE SIDEWALK - DETAIL

NTS



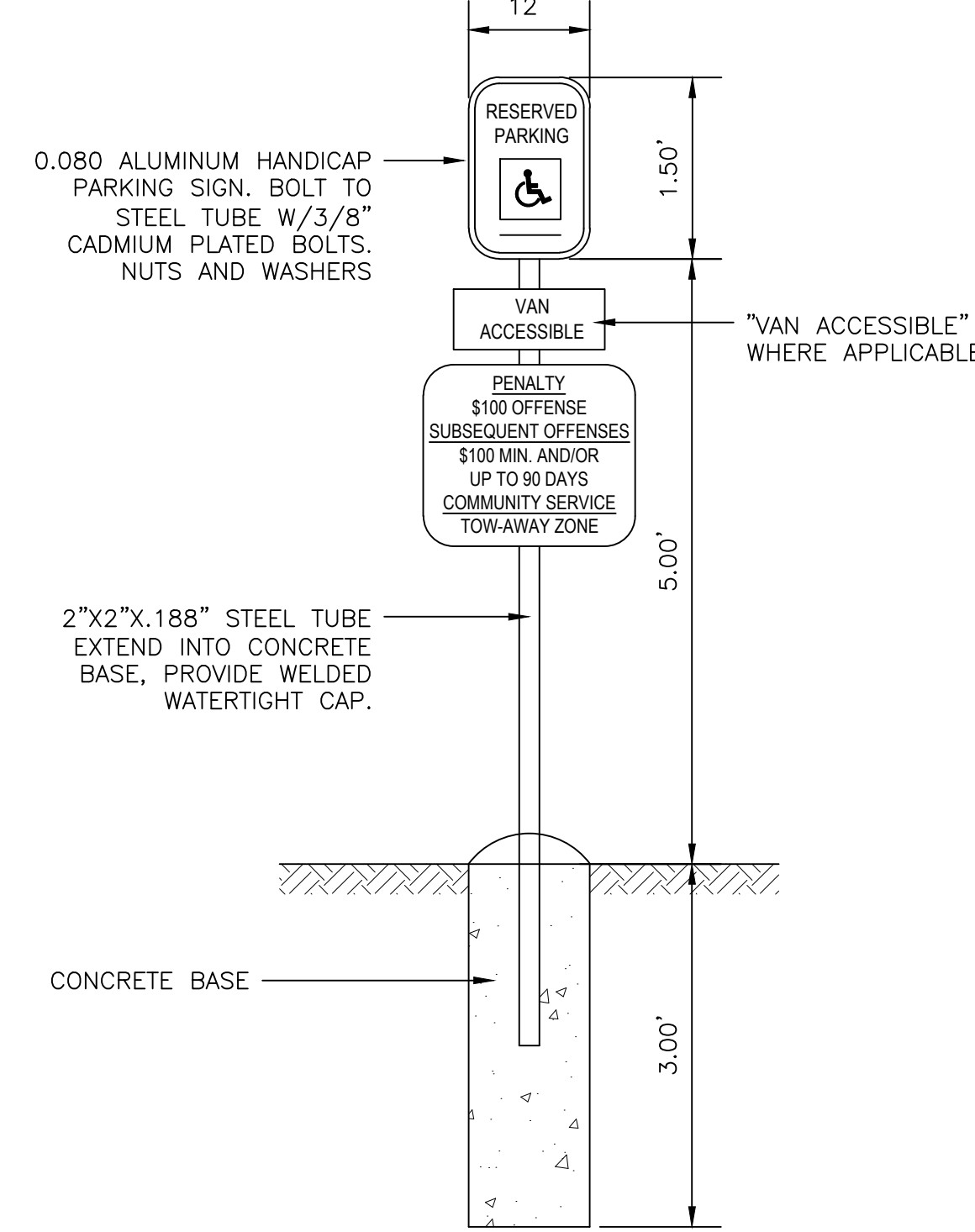
### VDOT CG-2 CURB - DETAIL

NTS



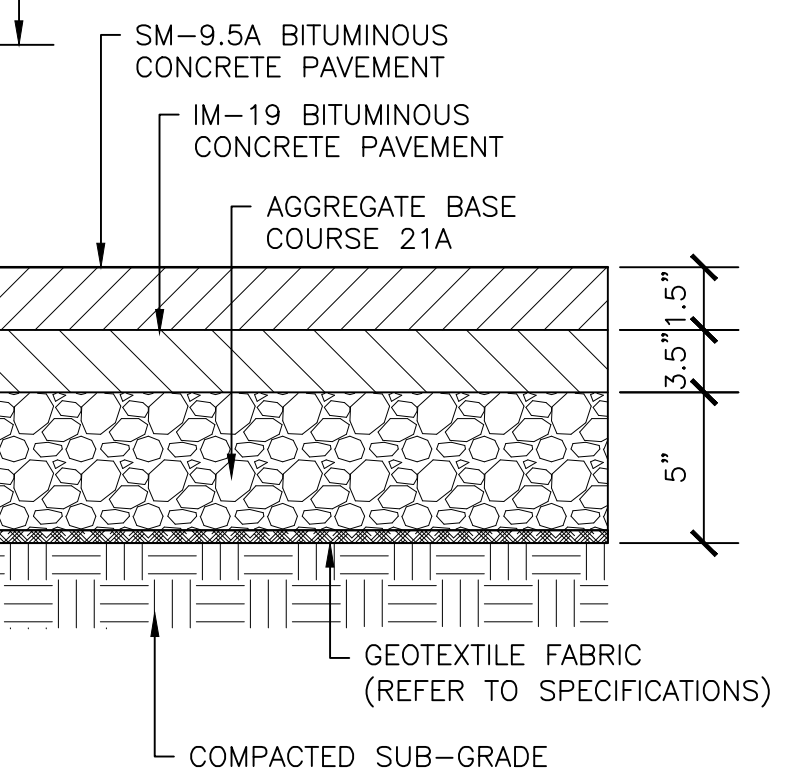
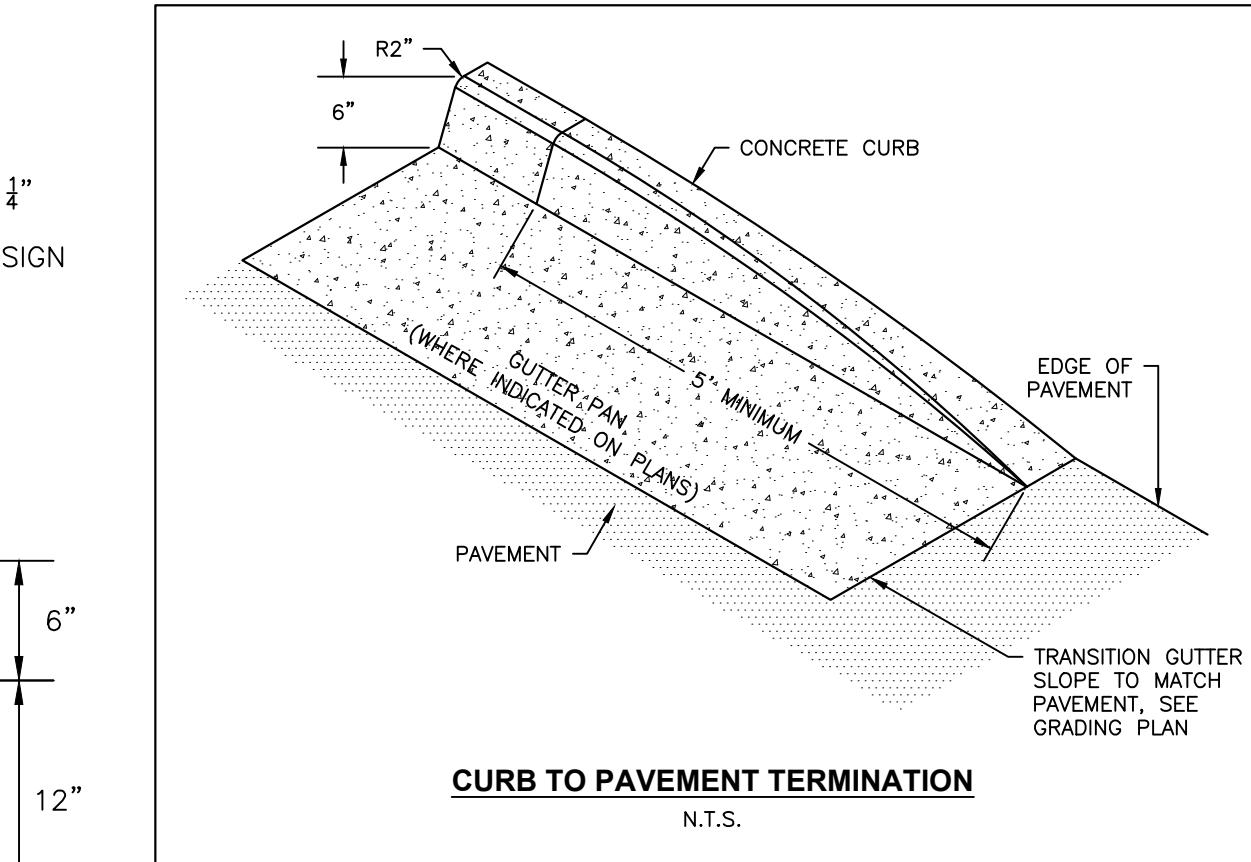
### CONCRETE WHEEL STOP - DETAIL

NTS



### HANDICAP PARKING SIGN - DETAIL

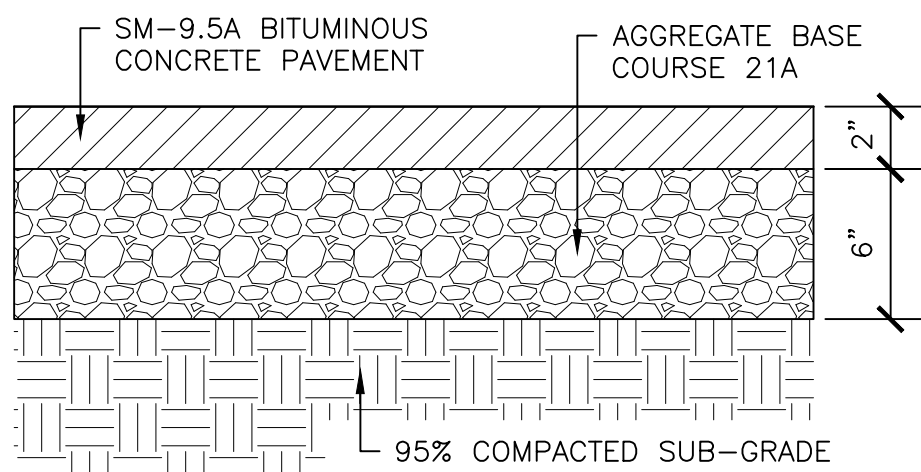
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NOTE: PAVEMENT DESIGN IS PRELIMINARY, REFER TO GEOTECH REPORT FOR FINAL DESIGN

### HEAVY DUTY ASPHALT PAVING - DETAIL

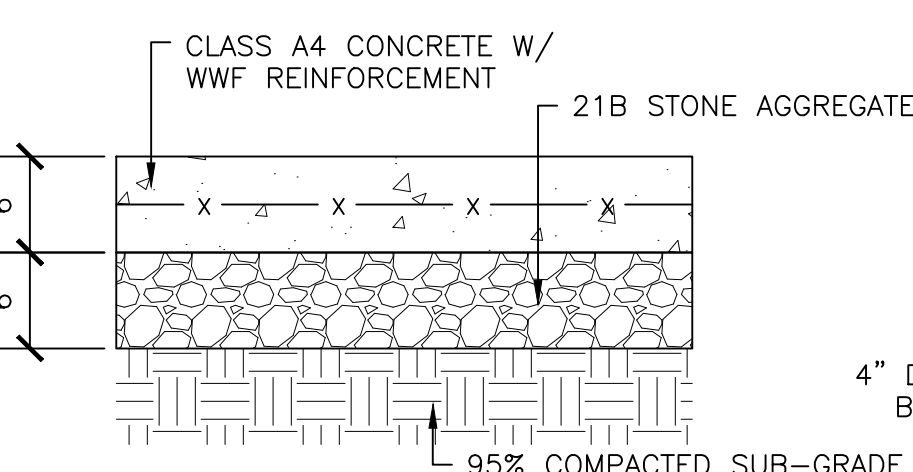
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NOTE: PAVEMENT DESIGN IS PRELIMINARY, CONSULT GEOTECHNICAL ENGINEER FOR FINAL DESIGN

### LIGHT DUTY PAVING - DETAIL

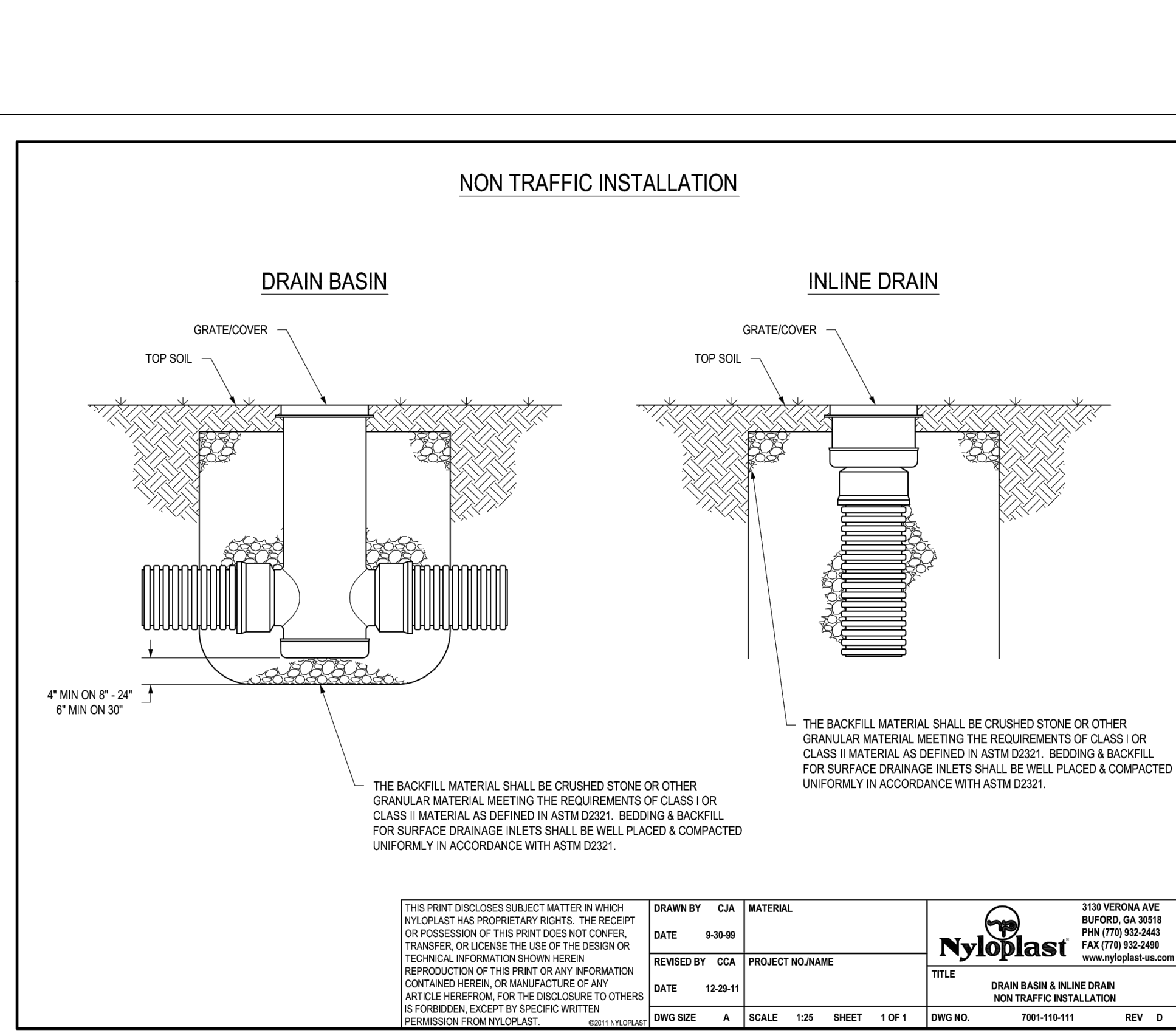
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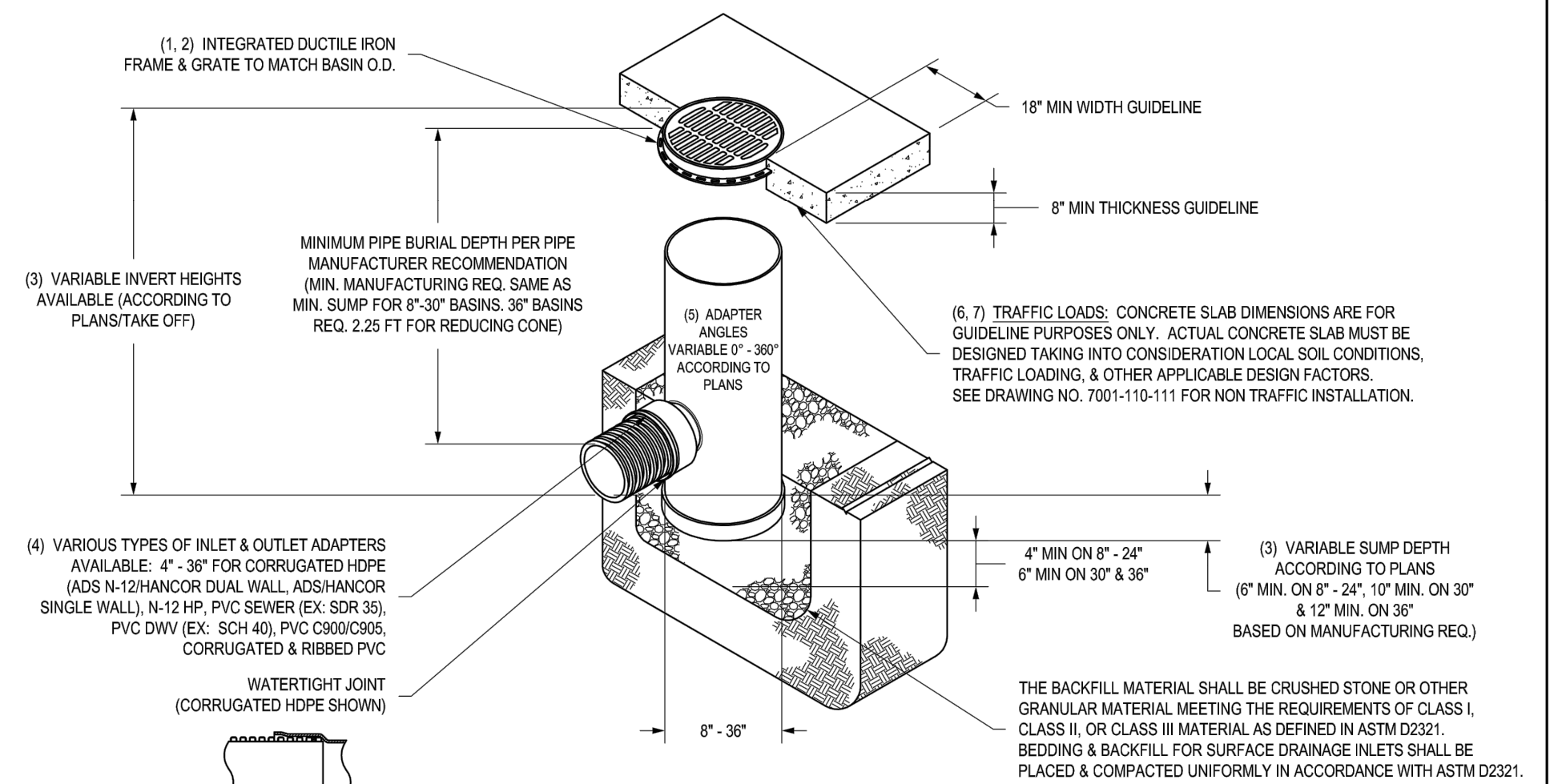
NOTE: PAVEMENT DESIGN IS PRELIMINARY, CONSULT GEOTECHNICAL ENGINEER FOR FINAL DESIGN

### HEAVY DUTY CONCRETE PAVING - DETAIL

NTS



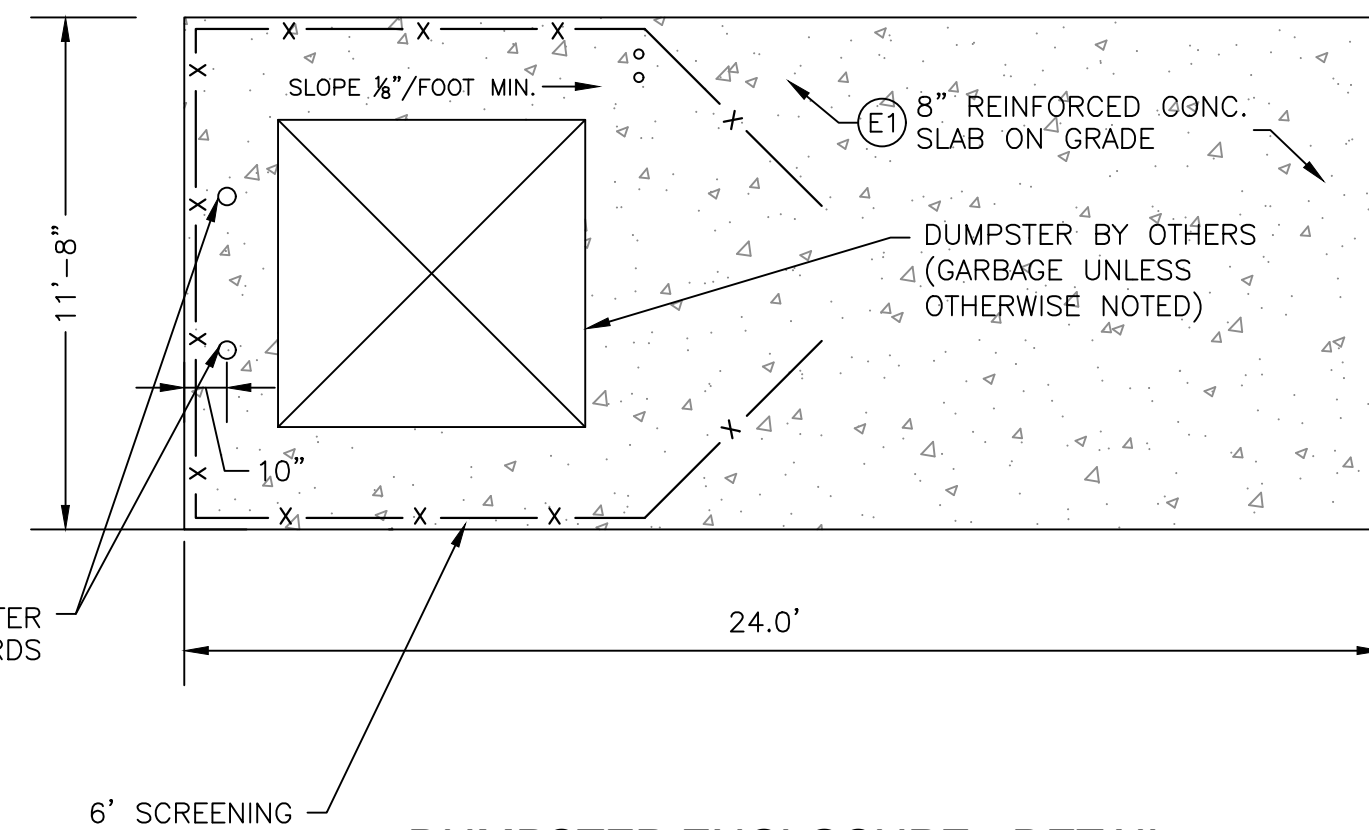
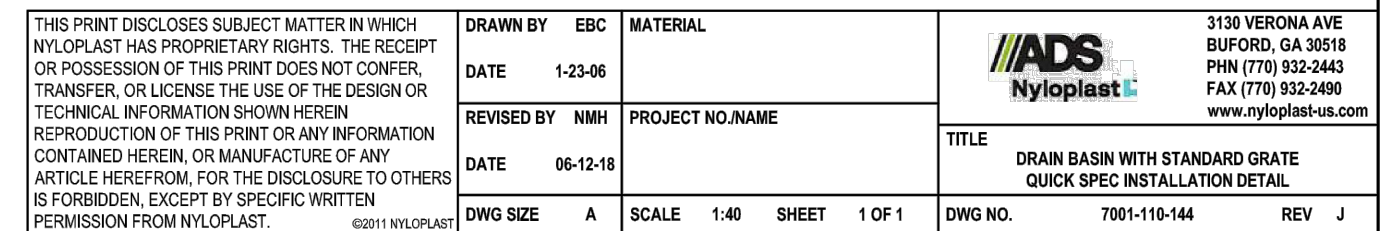
### NYLOPLAST DRAIN BASIN WITH STANDARD GRATE



- 1 - 8" - 30" STANDARD GRATES SHALL BE DUCTILE IRON PER ASTM A538 GRADE 70-50-05.
- 2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A538 GRADE 70-50-05.
- 3 - 8" & 10" STANDARD GRATES FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
- 4 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 8' DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
- 5 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12HANCOR DUAL WALL).
- 6 - 12" - 30" STANDARD GRATES SHALL MEET W/40 LOAD RATING.
- 7 - 8" & 10" STANDARD GRATES ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY; NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

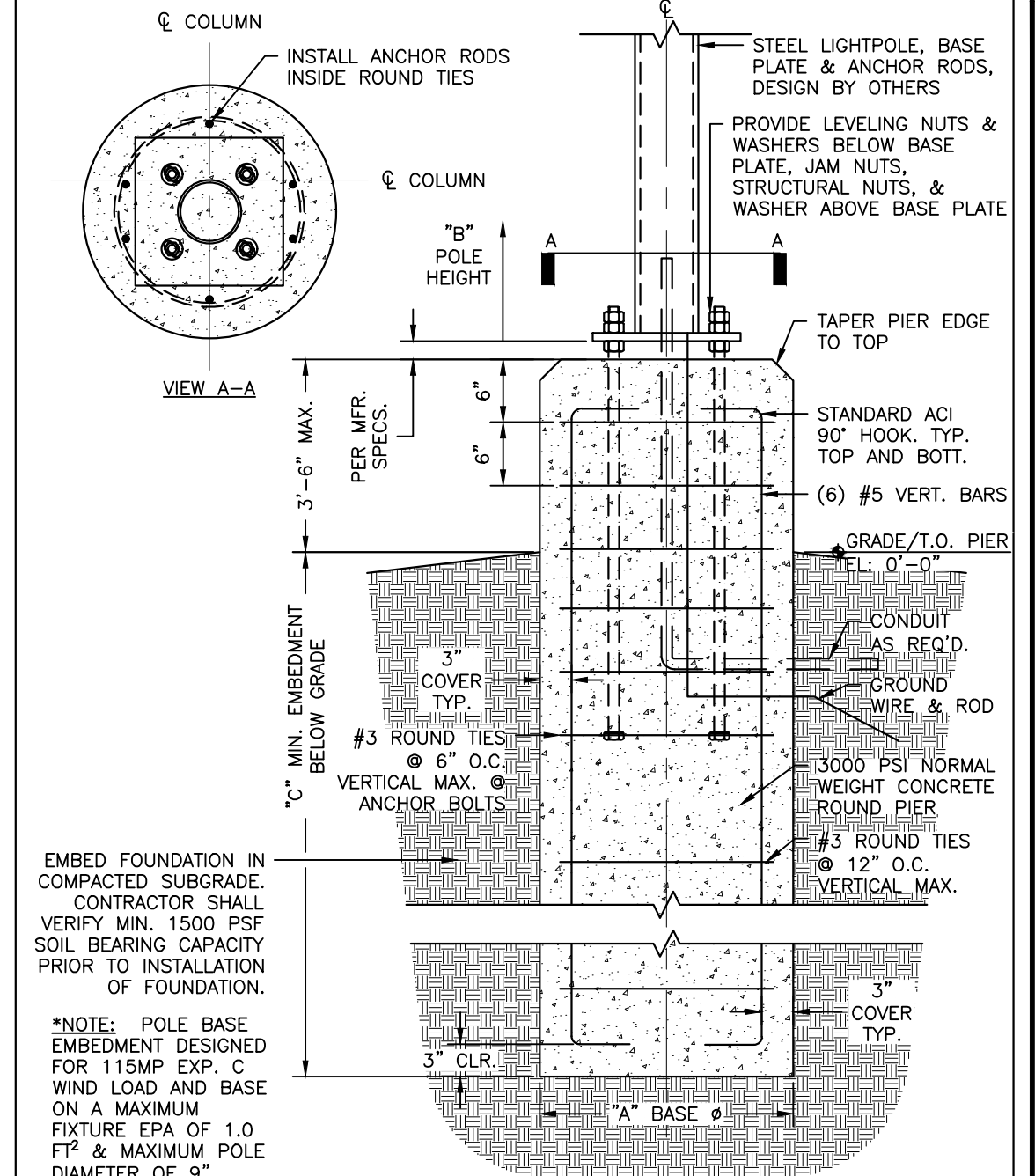
### NYLOPLAST AREA DRAINS

NTS



### DUMPSTER ENCLOSURE - DETAIL

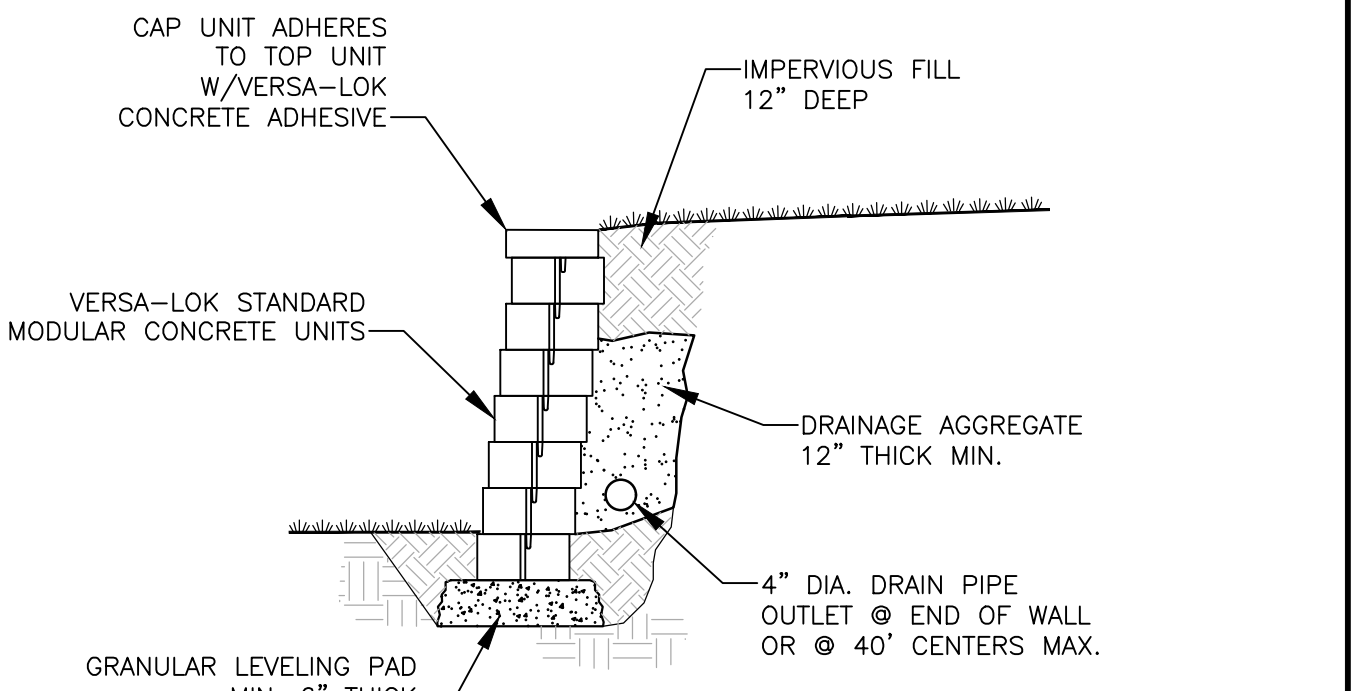
NTS



LIGHT POLE BASE EMBEDMENT "C" SCHEDULE*	
"A" BASE DIA.	"B" LIGHT POLE HEIGHT
14'-0"	16'-0"
16'-0"	18'-0"
18'-0"	20'-0"
20'-0"	22'-0"
22'-0"	24'-0"
24'-0"	26'-0"
26'-0"	28'-0"
28'-0"	30'-0"

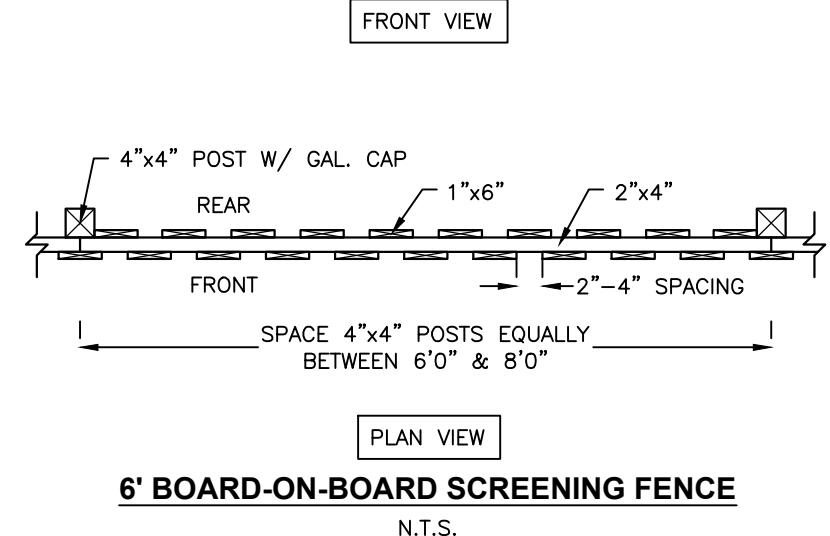
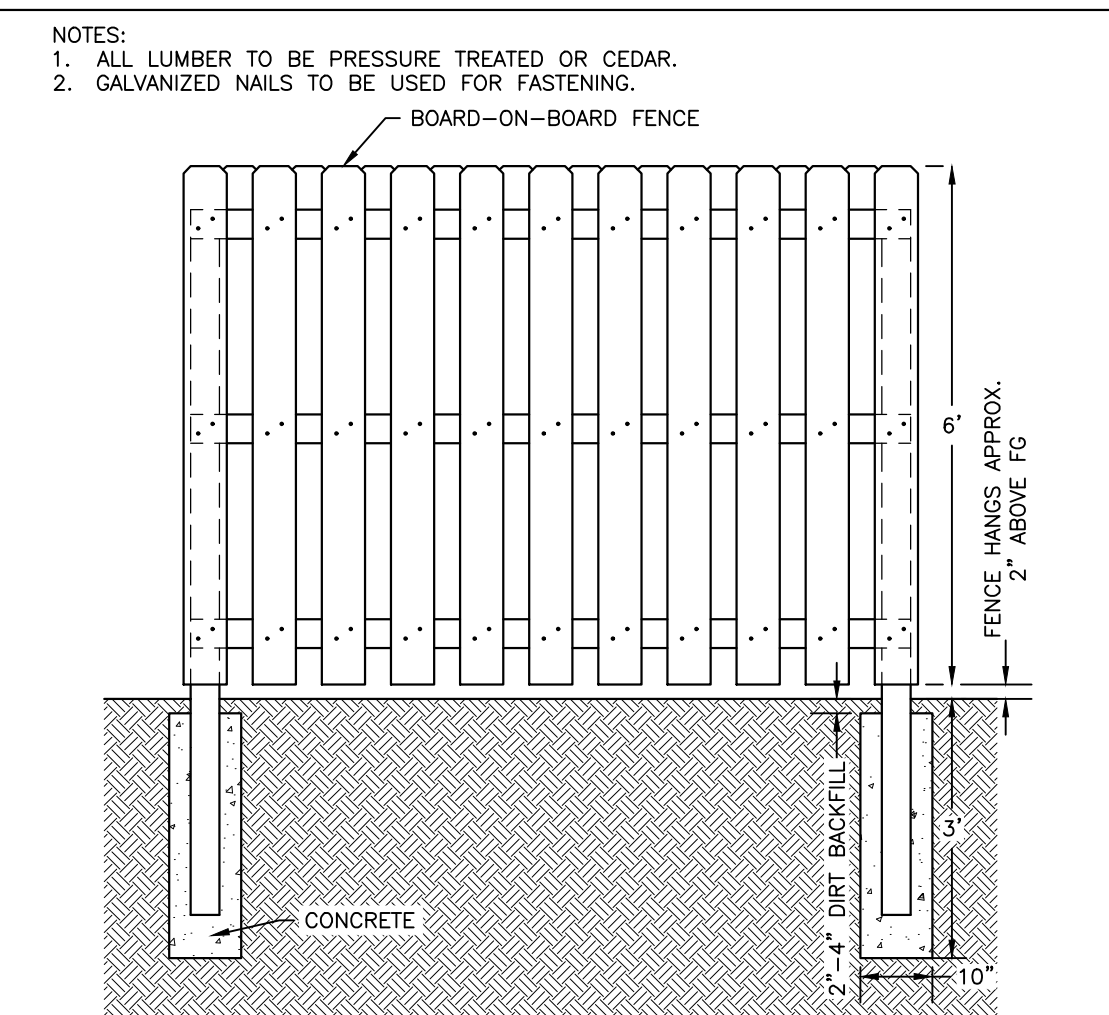
### EXPOSED POLE BASE DETAIL

N.T.S.



### TYPICAL SECTION - UNREINFORCED RETAINING WALL

SCALE: N.T.S.



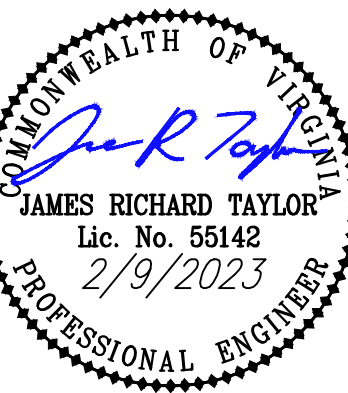
### 6" BOARD-ON-BOARD SCREENING FENCE

NTS



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CALFEE COMMUNITY & CULTURAL CENTER

DETAILS

DRAWN BY MSL  
DESIGNED BY MSL  
CHECKED BY JRT  
DATE 2/9/2023  
SCALE AS NOTED  
REVISIONS

1 CORBIN-HARMON DRIVE  
TOWN OF POLASKI, VIRGINIA  
**C10**  
PROJECT NO. 23220008.00



- THE APPROVED LANDSCAPE PLAN SHALL BE USED FOR THE FINAL PLANT QUANTITY, SPECIES, AND LAYOUT OF THE PROPOSED DEVELOPMENT. ANY CHANGES TO THE PLAN, INCLUDING SPECIES SUBSTITUTION, LOCATION, OR QUANTITY CHANGES MUST BE SUBMITTED TO THE TOWN FOR REVIEW AND APPROVAL. ANY CHANGES MUST BE SUBMITTED ON A FULL SHEET FOR SIGNATURES PRIOR TO THE ISSUANCE OF CERTIFICATE OF APPROVAL.
2. ALL TREES SHALL BE PLANTED IN GOOD CONDITION AND MEET "AMERICAN STANDARD FOR NURSERY STOCK" (1990), ANSI Z60.1-1990, AS MAY BE AMENDED.
3. THE PLANTING OF TREES SHALL BE DONE IN ACCORDANCE WITH THE STANDARDIZED LANDSCAPE SPECIFICATIONS JOINTLY ADOPTED BY THE VIRGINIA NURSERYMEN'S ASSOCIATION, THE VIRGINIA SOCIETY OF LANDSCAPE DESIGNERS, AND THE VIRGINIA CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS.
4. A CONTRACTOR SHALL ASCERTAIN LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. PRIOR TO COMMENCING ANY WORK, CONTACT "MISS UTILITY" AT 1-800-552-7001.
5. LANDSCAPING WILL BE INSTALLED AND MAINTAINED SO AS NOT TO INTERFERE WITH SIGHT DISTANCE NEEDS OF DRIVERS IN THE PARKING AREAS AND AT THE ENTRANCE/EXIT LOCATIONS.
6. PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH THE APPROVED PLANS BY A SITE REVIEW AGENT OF THE PLAN APPROVING AUTHORITY PRIOR TO RELEASE OF THE CERTIFICATE OF OCCUPANCY.
7. THE OWNER IS RESPONSIBLE FOR MAINTAINING SHRUBS AND TREES THAT ARE REQUIRED PER APPROVED LANDSCAPING PLANS. DYING OR DEAD PLANT MATERIALS ARE TO BE REPLACED DURING THE NEXT PLANTING SEASON.
8. PLANT MATERIALS SHALL HAVE ALL STRINGS OR ROPES AT THE BASE OF THE PLANT CUT AWAY FROM THE TRUNK (INCLUDING BIODEGRADABLE BRANDS OF ROPE).
9. APPROPRIATE MEASURES SHALL BE TAKEN TO PROTECT ALL EXISTING TREES DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS FOR THE TREES TO BE REMOVED.
10. ARCHITECTURAL AND VEGETATIVE SCREENING FOR REFUSE/RECYCLING AREAS, AND MECHANICAL UNITS MUST BE SHOWN ON THE SITE PLAN PER §5330-5331. ANY CHANGES TO THE LOCATION OF THESE AREAS/UNITS AND ASSOCIATED SCREENING MUST BE SUBMITTED TO THE TOWN FOR REVIEW AND APPROVAL. ANY CHANGES MUST BE SUBMITTED ON A FULL SHEET FOR SIGNATURES PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
11. ALL MECHANICAL EQUIPMENT WILL BE ON THE ROOF.

1. PLANT MATERIAL NAMES ARE IN COMPLIANCE WITH HORTUS THIRD SIZES AND GRADING ARE TO COMPLY WITH THE LATEST EDITION OF AMERICAN STANDARDS FOR NURSERY STOCK. PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN.
2. ALL WORK SHALL BE COORDINATED WITH TRADES.
3. USE EXISTING TOPSOIL AND/OR PROVIDE NEW TOPSOIL, WHICH IS FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, FOREIGN MATTER AND ROOTS, STUMPS AND STONES LARGER THAN 2" IN DIMENSION.
4. CONTRACTOR SHALL ASCERTAIN LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION.
5. CONTRACTOR SHALL MAINTAIN PLANT MATERIAL DURING INSTALLATION MAINTENANCE SHALL BECOME RESPONSIBILITY OF OWNER UPON ACCEPTANCE OF WORK.
6. WHERE THE LANDSCAPE WORK IS COMPLETED, THE OWNER'S REPRESENTATIVE WILL, UPON WRITTEN REQUEST, MAKE AN INSPECTION TO DETERMINE ACCEPTABILITY. IF WORK IS NOT ACCEPTABLE, REPLACE REJECTED WORK AND CONTINUE MAINTENANCE UNTIL REINSPECTION AND APPROVAL.
7. GUARANTEE ALL MATERIALS AND LABOR FOR 12 CALENDAR MONTHS AFTER ACCEPTANCE.
  - 7.1. MAKE REPLACEMENTS OF ALL DEAD PLANTS IN IMPAIRED CONDITIONS IN EARLY FALL FOLLOWING PLANTING.
  - 7.2. ADD ADDITIONALLY IN THE EARLY SPRING FOR THE SAME OR OTHER MATERIALS WHICH ARE DEAD OR IMPAIRED FROM THE WINTER CONDITIONS.
8. WITHIN 10 DAYS AFTER ACCEPTANCE, THE CONTRACTOR SHALL DELIVER AN OUTLINE OF MAINTENANCE PROCEDURES RECOMMENDED FOR THIS PLANTING FOR THE OWNER.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY DURING THE GUARANTEE PERIOD TO PROVIDE WRITTEN NOTICE TO THE OWNER OF ANY MAINTENANCE PRACTICE WHICH IN THEIR OPINION WILL AFFECT THE GUARANTEE IF NOT REMEDIED PROMPTLY.
10. DO NOT MAKE SUBSTITUTIONS. BID MATERIALS SHOWN ON PLANS. CONTRACTOR IS ENCOURAGED TO PROVIDE WRITTEN ALTERNATE LIST OF MATERIALS, SIZES AND NUMBERS SUBSTITUTION FOR COST-EFFECTIVE MAINTENANCE OF DESIGN INTEGRITY.
11. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY MATERIAL THAT HE/SHE DEEMS UNACCEPTABLE. REJECTED MATERIAL SHALL BE REMOVED PROMPTLY FROM THE SITE.
12. SELECTIVE CUTTING AND CLEARING SHALL BE PROVIDED IN THE EXISTING WOODED AREAS OF THE DRAINAGE EASEMENT. SELECTIVE CUTTING WITHIN THESE AREAS SHALL BE LIMITED TO THE REMOVAL OF UNDERGROWTH AND TREES ABSOLUTELY NECESSARY FOR THE CONSTRUCTION OF THE DRAINAGE OUTFALL.
13. BALLED AND BURLAPPED PLANTS SHALL BE DUG WITH FIRM NATURAL BALLS OF EARTH. BALL SIZES SHALL BE IN ACCORDANCE WITH A.A.N. SPECIFICATIONS. ALL CONTAINER GROWN STOCK SHALL BE WELL ROOTED AND ESTABLISHED IN THE CONTAINER IN WHICH IT IS SOLD. AN ESTABLISHED CONTAINER GROWN PLANT SHALL HAVE A ROOT SYSTEM DEVELOPED SUFFICIENTLY TO RETAIN ITS SHAPE WHEN REMOVED FROM THE CONTAINER.
14. ALL PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE SPECIFIED. PRUNING SHALL BE DONE BEFORE PLANTING OR DURING THE PLANTING OPERATION.
15. ALL PLANT MATERIAL SHALL BE COVERED AND PROTECTED FROM EXCESSIVE DRYING DURING TRANSIT.
16. ANTI-DESICCANTS SHALL BE APPLIED ON ALL MATERIAL DUG WHILE IN FOLIAGE
17. MULCH MATERIAL SHALL BE EITHER SHREDDED HARDWOOD MULCH OR APPROVED EQUAL. MATERIAL SHALL BE MULCHING GRADE, UNIFORM IN SIZE AND FREE OF FOREIGN MATTER.
18. TOPSOIL MIXTURE SHALL BE 2 PARTS EXISTING SOIL MIXED EVENLY WITH 1 PART SPAGNUM PEAT MOSS OR PATT HUMUS. EXISTING SOIL SHALL BE FREE OF STONES, LUMPS, PLANTS, ROOTS AND OTHER DEBRIS OVER 1 1/2 INCHES. IT SHALL NOT CONTAIN TOXIC SUBSTANCES HARMFUL TO PLANT GROWTH. TOPSOIL SHALL HAVE A PH RANGE OF 5.0 TO 7.0.

<u>TREES</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>ROOTS</u>	<u>CALIPER</u>	<u>HEIGHT</u>
MS	3	Magnolia virginiana / Sweetbay Magnolia	CONT. OR B&B	1.00" CAL. MIN.	6' MIN.
<u>SHRUBS</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>CONT</u>	<u>HEIGHT</u>	<u>SPREAD</u>
CK	41	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	3 gal		
DN	25	Deutzia gracilis 'Nikko' / Slender Deutzia	3 gal	15"-18" MIN.	18" MIN.
IV	8	Itea virginica 'Henry's Garnet' / Henry's Garnet Sweetspire	3 gal	18" MIN.	18" MIN.
VCB	18	Vaccinium corymbosum / Highbush Blueberry	10 gal		

PLEASE NOTE: ABOVE LANDSCAPE PLANTS HAVE BEEN RESEARCHED TO NOT HAVE TOXICITY ATTRIBUTES IF INGESTED. PLANT SPECIES SUBSTITUTIONS ARE NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION FROM LANDSCAPE ARCHITECT.

